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A werd to farmers

Programme of the state Fair

The Feeding and Fattening of Cattle.

It is evident from the state of the markets, from the prices, from the demand and supply, that the breeding, raising, feeding and fattening of animals of all kinds used by the butcher, must occupy a greater share of the attention of farmers than it has heretofore. The season is now at hand when the feeding of fatting stock should be considered of importance enough to deserve the attention of every true agriculturist, and we shall therefore lay down a few of the first principles by which the farmers of Michigan should be guided in this important work. In commencing to feed, the first question that will arise, after selecting the stock to be fatted, is whether it will be most profitable to put the animals under cover, or leave them in the open yard, with merely sheds, to which they can resort when they choose. The advocates of the stalls for fatting cattle argue, that the animals waste less food, are kept warmer, and come faster into complete condition, than can be the results where they are turned out to all the inclemency of the weather, and left to fight their way to the feeding troughs or racks with stronger or more active beasts. The yard feeders on their part argue that stalls make the cattle tender and delicate, that they are not as healthy, do not make as good a quality of beef, and that it is too much work to clean and feed them, and that this alone takes off the profits. One of the most successful feeders in the State, Mr. S. Lyndon of Canton, has his cattle in yards. They feed from racks in sheds. The whole yard is littered with straw so deep that they make lairs in it during the cold weather. These lairs however are invariably made under the sheds, showing that the animals prefer a shelter. The two systems, though seemingly opposed to each other. are nevertheless, both right when correctly applied. For aged or full grown animals, such as eight or nine year old oxen, the stall feeding is the most co rect system. Such animals have already and a full development of their whole frame.

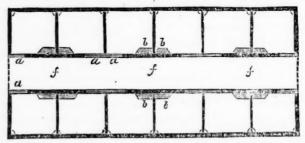
315 can be expected of them is to lay on flesh

to their utmost capacity within the shortest time. To do this economically they must be kept warm so that as little of their food as possible may be expended in generating heat. All movement is to be avoided, for that diverts the food from its purpose of forming only flesh and fat. Hence for such cattle, well ventilated, dry stalls are probably the best.

For young cattle, from two to four years old, however, which are not fully matured, and of whose growing qualities it is designed to have the full benefit, as well as of their propensity to fatten, the varding system seems to be the most preferable as it gives the animal exercise, and that liberty which stall feeding does not afford, and which is more in

accordance with the healthy development of the whole system. The animals require less attendance. and as a general rule look healthier, and appear better in market.

There is a third method of keeping animals for fattening which seems to be adopted by the best judges, though not much as yet in the United States. This is termed box feeding. A range of what are termed open boxes are constructed, in which the animals to be fed are penned up loose until taken out to be sold. These boxes, as they are termed, are made about ten feet square, and are covered with a shed roof. The troughs for feeding are constructed. so that they can be raised as the accumulation of



1 Groundplan of feeding boxes for cattle, showing the general arrangement and size. a, a, the places for gates. b, b. Feeding troughs. f, f, The passage way between the boxes, wide enough to drive a horse and cart through.



Fig. .2 See 'ion showing the gates posts and partitions confining the cattle to their boxus. c, The height of partition d,

The depth to which the floor of boxes are dug out below the surface.

manure elevates the animal. That this plan of feed-| marsh muck to tread upon. For litter he should ing cattle may be better understood, we give a diagram of a ground plan, of a series of these boxes, which may be put up on any farm, in the most convenient place, to be connected with the supply of feed; or even the sheds already constructed may be turned into boxes for the winter.

Fig. 1 shows the ground plan of a range of boxes on a scale of twenty feet to the inch. Between each range of boxes is a passage way six feet wide. The whole shed is calculated to be about twentyeight feet in width. The outside is planked up with inch and a half stuff so that each plank can be taken off, and slipped on when wanted. On the inside next the passage is the gate or door a, a, into each box, and the feeding box, or trough b, b. These gates and the partition along the passage way should be six feet high. It will be noticed that in fig. 2 along the bottom is a dark division marked d; this is calculated to be an excavation of two feet beneath the surface, or below the passage way f, f. Each box is excavated so that there will be room for the manure to be trodden down and remain undisturbed until wanted for use. The animal when put in the feeding is every way the superior plan, and that it

have enough of cut straw chaff to keep him perfectly dry. As the feeding goes on, the making and saving of manure is also proceeding in the very best and most economical of all methods. The dry cut straw, soaks up and preserves all the liquid manure, whilst the whole mass is tramped down so solid by the animal that there is no fermentation, and consequently no loss of the soluble particles. It is calculated that in such a box, there will be about eight inches in depth of solid manure made every 30 days, consequently with the twelve inches of muck there would be at the end of five months in each box fiftytwo inches deep of solid manure, or each animal might be depended on to make 433 cubic feet, or about 31 loads. The planking on the outside being put up in such a way that it may be slid out and in, when the manure is to be carted out, the wagon or cart can be backed into each box and the whole loaded up, and driven out with the utmost ease.

It will be seen, therefore that for favoring the cattle, for economy of labor in feeding and for the preservation of manure in the very best manner, box box should generally have about a foot deep of combines the benefits claimed for both stall and the first.

kent, is to select and determine whether the whole or in manufacturing beef, mutton and pork, and in sustaining the dairy and working stock of the farm.

Every farmer who keeps stock has on hand in the fall young animals of several degrees of growth, as about the size of the greatest number of farms in the State, we will generally find that for work and the dairy as well as for market there is required, nearly as follows:

3 horses, of which one or two may be brood mares.

I pair of aged oxen, to be relied upon for heavy work, 1 pair of three year old oxen, to be called upon in all busy times, and for light work,

6 head of milch cows and heifers, ranging from three to six or seven years of age.

I good brood sow, with her fall litter.

100 ewes for wool and breeding purposes.

This enumerates nearly the stock to be maintained steadily for the purpose of keeping up the farm to a fair limit of productiveness. But besides this there is other stock which is required to manufacture a large proportion of the products of the farm into material suitable for market, and the number of which must be graduated by the amount of feeding material which the owner of the farm may have on hand. A fair estimate of this kind of stock on such a farm at the commencement of fall, where considerable dependence is placed upon growing wheat each year, for a part of the revenue, would give about the following, in addition to the last enumerated above: Horses-One young colt, and a two and a three year old.

Cattle-Four calves, 2 heifers and 2 steers: four yearlings 2 heifers and 2 steers: four two year olds, 2 heifers and 2 steers.

Sheep-Forty head of lambs, and yearling wethers, the increase of the season, some having been sold during the summer, or after shearing time.

Hogs-Ten head of store hogs ranging from ten to fifteen months old.

It will thus be seen that altogether, the stock of enumeration, therefore, two or more questions arise. proportion of hay, straw and cornstalks.

vard feeding, in the shelter and security it gives the The first is. Is there food enough so carry over the animal, and also in the freedom of movement and whole of this stock in a growing condition until grass the making of manure. It is a system that has been is fit for pasture next spring? Should the answer be, tried in great Britain with cattle, hogs and horses yes and more t then arises the question, shall the and found to succeed admirably, particularly with surplus food be sold, or shall stock be purchased and fattened upon it? Should the answer be that The next point to be settled after derierming how there is just enough to carry this stock over, and the animals to be fattened or wintered are to be none to spare: there is still another consideration, would it be more profitable to feed up and sell a only a part of the stock shall be retained; and this portion of my own young stock, and at the same will depend altogether on the quantity of material time buy a few head to put with them, the labor of there is on hand to be used during the winter months feeding our own and the purchased stock for the first hundred days of the winter costing no more, than what feeding my own would come to? It will at once be seen that to arrive at correct conclusions upon this point, a farmer must have a good knowlwell as those necessary to perform the labor, and edge of the market and its chances and changes. furnish supplies of dairy produce. If we take for The answer to the first question may be, that there example the stock on a farm of 160 acres, which is is not food enough to keep in fattening or growing condition, the whole of the stock above enumerated, then comes the second question, Which of our stock shall we select to fatten? which to sell as it is? and which will be most profitable to keep? In considering these questions, the following leading principles should be borne in mind: After an animal has passed maturity, the cost of keeping it from deterioration is equal to the amount which would be expended in keeping a young animal in full growth. As an instance of this, and for purposes of comparison, we cite the growth of the heifer mentioned in our notice of the stock of Mr. Sly of Plymouth which gained in less than three months 300 pounds, and yet when we saw the heifer she was not fat nor even in high condition. There was as much weight gained by growth as there was by increase of flesh. So well are the best feeders aware of the correctness of the principle, that when they wish to fatten animals, with a design to get the greatest returns within the shortest period, steers are selected ranging from two to four years cld. Those animals which Mr. Lyndon of Canton, in this state, has fattened up to large weights within a short period, have always been under maturity, and he has consequently got the profits of his feed as much from the growth of the animal, throughout its whole system, as from its capacity to lay on fat. It should therefore be the business of the farmer to keep no animal to fatten, that is not under the age of maturity, if he would have the tull profits of which his stock is capable.

It may sometimes be advisable to sell the young stock, and to purchase older, especially where there are quantities of feed on hand better fitted to fatten an ordinary farm of 160 acres, of which twenty are than to promote growth. It is then advisable to in wheat, twenty in corn, ten in oats, perhaps ten in part with the yearlings and two year olds, and to buckwheat, and potatoes, forty in wood, and the re- purchase well grown three and four year olds. This mainder in hay and grass, would be horses 6, cattle might be the right course, where there is a large 22, hogs 11, sheep 140. In connection with this stock of bran, shorts, oats and corn, with but a light

plan is to keep as many young and growing cattle flank, with the back even and level, and the ribs as possible, and all animals that have arrived at their coming out horizontally from the back bone. When full development of bone and muscle, should be the ribs begin to slope down as they spring from parted with before winter sets in. No profit is to be made by keeping them. The farmer who has his grain to buy cannot increase their weight and pay for his own labor at the same time. By his purchase of the grain he has already paid for some one else's labor, and this amount has already swallowed not peaked, as they may be found very often, with the profit on the fat. All he can do is to get his great breadth, and the points at the tail sharp. On profit out of the growth of the animal.

will depend upon the condition of the farm, and the kind of food which is on hand, as well as the quantity.

The kind of stock to keep.

ty to lay on fat. The ears should be thin, almost metacarpal and metatarsal bones, there will generally of a rich tawny color inside. In some white cattle, oped chest, with a rounded body. Lastly, the hide the ear will be found of a deep yellow color like of the animal should be loose when the hand is put that of the richest butter; it will be found that this upon it, the surface seems to yield as if too tender is accompanied by a ring of the same hue round to sustain the pressure; when the hand moves the the eye, and also that the nose is well colored, the skin, it seems to float on the rich soft coating which skin underneath the ham will also be found to have intervenes between the flesh and the cuticle. The this peculiarity no matter what may be the color of hide itself is not thin; in young animals it will natuthe animal. The eye should be remarked particu-|rally be more tender to the touch, but this tenderlarly, it should be quiet and mild in expression with- ness should not be mistaken for richness of quality. out being dull or sleepy. The head should be held There should be substance, and when the skin is up, and carried easily. In heifers reserved for milk pinched up between the finger and thumb, there it is well to look for a thin neck, in a heifer designed will be found a good deal of substance, the two to be fattened, a very thin neck is not desirable. In layers of skin will not feel as though they were a both heifer and steer, it should be nearly straight fold of fine broad cloth or thick silk, but a fold of with the shoulder. The chest and shoulder should fine velvet, with the nap turned inside. The hair be deep, and the brisket full, with the chest of a'on such a hide is soft like fur almost, and when the

On the contrary, where the stock grower, has a good breadth. The shoulder should be broad, suplarge amount of pasture for next season's use; and ported on an arm that tapers to the knee, but large where he would have to purchase nearly all his round and muscular. The plate of shoulder behind grain, but had on hand large quantities of hay, made ought to be well covered with muscle. The body either from clover, timothy or the marsh grasses, it behind the shoulder should be deep, but round, and would be evident that to attempt to keep up animals full and well muscled where the shoulders join the to fatten, where he had all his grain to purchase, ribs, with a good expansion of the back at this point. would be unprofitable, and that his most prudent | The body should carry its depth well back to the the back, the animal is slabsided, and carries this peculiarity forward to the chest, which is thin, and will not permit the animal to have a good constitution. The loin should be broad, and the hips should be carried out in proportion with the back and ribs, the contrary these points of the hips should be In selecting animals to keep, therefore, something rounded, and even where the animal is in poor condition, the muscles should fill up the hollows formed by the pelvis' and haunch bones, and there should be evidence of the existence of cellular tissue on the points where the muscles are connected with the Another general principle to be followed in select- bones. Where these are wanting the animal when ing the animals to be kept, is to choose the best, poor looks pointed, and every prominent bone sticks either for breeding or for fattening purposes. If out at a sharp angle. The buttock wants to be carfattening material is plenty, it is not advisable to sell ried down full to the hock on the hinder part of the even at good prices the animals which will best per-leg, and on the front side the muscle should show a form the work of manufacturing straw, hay, bran round broad development. Where this point is not and corn into beef, tallow, mutton, wool or pork well developed, it will be found that the hind quar-The marks of a thrifty animal are usually so mani-ter is thin, badly shaped, and that the flank is high. fest, that when once they are known, and well en- The bone of the animal should be fine in proportion grafted on the mind they are not readily forgotten. to its size. The leg or cannon bone, should be short In selecting young cattle, attention should be paid compact, neat and fine. It is the same bone in the to the head, it should be fine, and somewhat pointed, neat stock as that which forms the foot in the huthe forehead rather broad, with horns light, smooth, man body, and every one knows how much a neat, of clean color; white horns with dark tips are not short well turned foot is the sign of a well proporobjectionable, but much black is not often found in tioned body in either man or woman, and gives elasthe horns of steers or heifers that show a propensi-ticity and grace to the carriage. With fine short transparent enough for the light to be seen through be found a small head, neat horns, and a well develroan, of remarkable properties, but not generally so United States show, whose hide was thinner than jaws so much resemble the surgical lancet that they that of Elhakim, and finer in the hair, but lacked substance. He did not handle so well as those above

On the subject of feeding, we shall have more to say next month.

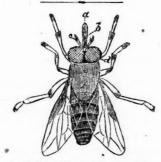


Fig. 1. The Tabinus bovinus, natural size. a, proboscis; b, upper lip; c, antennæ; d, compound eyes.

The Tabinus Bovinus.

The Tabinus bovinus, or Ox fly, attains an unusually large size in this country; and if its power of doing mischief be commensurate with its dimensions, it must greatly transcend its European relations.

A specimen of this insect lately came into our possession, and we give its portrait (fig. 1) of exact size: a few particulars regarding it may prove interesting to the readers of the Farmer.

The Tabini stand at the head of a very formidable family of two-winged flies; like all the individly on animal and vegetable fluids.

alike beyond the reach of head or tail, and, obtain-large again, and proportionally heavier; the palpi

fingers are run through it, it is soft and pleasant to ing a firm hold of the poor creature's integument, by the touch as the richest tresses of a Spanish maiden, means of three peculiarly formed soles, with which The best sample of such a hide in this state, is that each foot is provided, begins to unfold the several of Orpheus, the young bull belonging to J. B. Crip- parts of its mouth. This organ consists of a probocis, pen of Coldwater. The nearest approach to this fashioned like that of a common bousefly, and termiwas the hide of a magnificent shorthorn cow named nating in a pair of large fleshy lips, a fig. 2; the upper "Cannie," imported by R. A. Alexander, of Ken- part of this organ contains a deep groove, which retucky, and which we examined at the National Fair ceives and protects the cutting and other instruments, at Louisville. She was a model, and took the first four in number, and equivalent to the two pairs of prize at the great show at Carlisle, England, in 1855. jaws of a mandibulate insect; the whole is conceal-Next to her was a bull named "Elhakim," a red ed from view by a long, corneous, triangular plate, which represents the upper lip of other insects (a fig. fine an animal as Sirius, the premium bull of the 3). The pair of instruments analogous to the upper



Fig. 2. The fleshy lips of the probose of the Tabinus magnified.

a, the lips; b, valve to the entrance of the cesophagus;

c, the rugose (wrinkled) surface.

might be supposed to have formed the model upon which it was constructed, (b, fig. 3). These are firstly plunged deep into the true skin, through the tough hide of the unfortunate ox; secondly, the under jaws shaped like probes, (c, fig. 3), are inserted into the same wound, to stab and wound the capillary blood vessels, and yield an ample supply of the coveted fluid. This accomplished, the probes are withdrawn and the fleshy lips firmly affixed, by the aid of their rugous under-surface, (c, fig. 2) over the wound, and rendered perfectly air-tight. During the operations just described, and that of which the description will speedily follow, the head requires to have its gravity (weight) relieved, and to be supported. For this special purpose the maxillary palpi, are marvelousuals of the class Diptera, from (dis, two; and pteron, ly modified. In all other insects the terminal joint wing,) to which it belongs, it is provided with a of such instruments is usually attenuated - the mouth formed expressly for obtaining fluid food. In smallest, and finest of the series of joints forming the some individuals (Helophilus tenax, and others,) the palpus. But here on the contrary, the terminal rich syrup of ripe fruit suffices; in others (Tabini) joint is enormously enlarged, and its shape quite the blood of animals is insisted on; while still anoth-|peculiar. If a line be drawn from the apex of one, er group (House-fly and allies) subsist indiscriminate to the same point of the other, it is evident at a glance that it will touch these organs all the way The Tabinus usually infests cattle, and like the till it reach the rounded portion springing from the bold, predatory mosquito, warns its intended victim joint below. This figure was made from the mouth of its approach, as if well knowing that escape were of an English Tabinus, because of its superior transimpossible. It alights on a portion of the body parency; the American Tabinus is more than as belonging to it are larger, thinner, and much flatter, to enable them to fulfill the purpose for which they were designed. Now what is this purpose?

They tell their own tale; they are designed as arms to support the head, during the somewhat lengthy operation of feeding. What a long, beautifully flat, admirable surface is provided for this allimportant function!

It is contrary to the capability of the stomach of any animal either to kill or digest living matter, be it animal or vegetable. The caterpillar that con-

chemical aid of a peculiar and most important fluid, to destroy, at the moment of contact, its living principle; this fluid is the saliva. Saliva is poured into the wound abundantly, for the two-fold purpose of killing the living blood, and mechanically diluting it, so that it may be readily pumped up.

To effect this latter object, all the two-winged flies, together with bees and their allies, (Hymenopterous insects,) possess a peculiar organ called the pumping stomach. This stomach directly communicates with the fleshy lips by means of a tube which sumes the leaf of a living plant-itself vital-dare not passes from the one organ to the other; it (the entrust it to the stomach, without recourse to the pumping stomach) contains only a little air. When

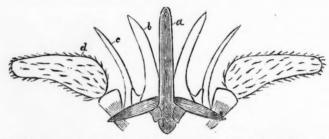


Fig. 3. The jaws. a, the upper lip; b, the lancet-shaped upper jaws; d, the maxillary palpi (feelers of the under jaws).

the pressure of the muscles of the body be taken off, the air contained in the pumping stomach becomes rarefied; the stomach expands, the tube connected with the mouth is exhausted, and a rush of blood up the tube is the immediate consequence. It is not allowed, however, to enter the pumping stomach, for this would be fatal to the insect; there is, therefore, a tube nearly at right angles to that connecting the mouth to the pumping stomach, the other end of which is connected to the crop, and at the instant the pumping stomach contracts, (as it does alternately,) the blood is driven through this short tube into the proper receptacle for it.

Hence it will appear that there is no continuous flow of blood, but that the stream is interrupted; first, there is action; then no action; action again, succeeded by no action; and on this principle all insects, with a suctorial mouth, obtain their food.

But what occasions the intense agony the poor cattle evidently suffer from the bite of this insect? Why do they tremble, and run wild with fear, only at the sound of its hated voice? Do they flinch from the mechanical injury of those terrible lancets and formidable probes? Certainly not; the wounds inflicted by them are of the least importance; it is to the innoculation of the poisonous saliva that all their pain and suffering is due. Like their kindred, the predaceous blood sucking insects, they feed in a hurry; it is their object to dilute and kill as much blood as they require for a meal, and to make sure of this, they kill much more than they want, and the large tumors which result from their bite sufficiently testify to the potency of the poison. So far as may be to the roots. For the purpose of rendering

we know, the saliva of all animals is a more or les. virulent poison, by inoculation, to the rest; if a mos_ quito were as large as a dog the probability is that its bite would prove as quickly and certainly fatal as the bite of a rattlesnake.

The only remedy for the bite of this, as well as other predacious insects, and which applies no less to the sting of the bee, wasp, hornet, &c., is different of application, as it requires to be used the instant the insect quits his victim, namely, Liquor Potasse, this neutralises the poison. But the wound so soon closes up that it is not easy to be in time.

I have frequently neutralised mosquito bites in this way, the remedy being at hand.

Corn and Corn Fodder.

In spite of the lateness of the planting, and forebodings of those who had given up all hope of a corn crop the warm weather of September has brought this important crop through so far, and it promises to give a fair yield. Of the grain itself we have nothing to say at present. We shall treat principally of the best modes of preserving the stalks, and making the best use of them. An acre will yield from one to three tons of stallks, according to the quality of the corn, and the luxuriance of growth. The field that grows corn from ten to twelve feet high will certainly grow more than the same number of acres where the corn is not over six or eight feet in height. We believe it is prelty well settled, that nothing is to be made by topping corn, but that the right plan to harvest corn is to cut it off as close as

the fodder of the best quality, as many hills as can be conveniently got together should be put in each "shuck." The larger they are the better, for they will stand long enough in the field to cured and the turning of them to take off the ears, exposes them to the air for curing as muuch as spreading out hay, or the loading and unloading of it.

When the ears are renewed the stalks, if not taken into the barn, should be immediately stacked. These stacks ought not to be made of stalks alone, but should be composed of layers of oat straw, or if there be no oat straw there is probably some of wheat or barley, alternate with the layers of stalks. Each layer of stalks, which may be a wagon load should have at least four quarts of salt, with a handful of lime strewed over it. This will keep them sweet, and prevent them from sweating and moulding, and the stock will eat them much cleaner and more greedily, especially where they are fed without cutting. The stacks of cornstalks should be thatched, and as carefally protected protected from the snow and rain as hav. They should be built so as to keep out the wet, and when once opened a whole stack should be at once hurried under cover. By pushing this system, the stock of the farm will get the whole benefit of one of the best crops we have and the farmer himself will be able to make more beef, more mutton, and more wool off an acre than he can otherwise. The mixing of the cornstalks, with straw when in a somewhat green state, as they ought to be when first brought out of the field to be stocked, renders the straw more palatable to the cattle also, at least it will be found that they eat it better. The sprinkling of salt plentifully on the cornstalks, has the effect of keeping them from heating, and at the same time, the dampness engendered in the stack dissolves it, and it also makes the whole mass better relished by the animals. That lime has the same effect, we need only point to the experience detailed in this volume of the Farmer, where it has been tried in curing moist clover.

No attempt should be made to feed cornstalks without cutting them, and we believe that where they can be both cut and steamed, they would pay well. One of the best machines for cutting cornstalks well and thorougoly is the one made by Messrs. Felts of Brooklyn, and which we believe is known as the Cummings patent. It cuts them both rapidly and thoroughly, leaving no pieces of stalk uncut. Where the stalks are not needed for food, when cut with straw they make the best litter for stall animals there is, as it absorbs a vast quantity of liquid manure which would otherwise be wasted or evaporated. At this season, even though hay and straw are both plentiful and cheap, the prices of meat point out that the utmost care seould be taken to preserve cornstalk fodder.

The National Fair at Louisville.

The great annual exhibition of the United States Agricultural Society was held this year at Louisville during the first week in September. In company with several gentlemen from this state we attended this exhibition for the first time; being desirous of examining what ought to be the best stock in the country, and also of having an opportunity to see the somewhat celebrated horses and cattle of Kentucky, which we supposed would be out in great numbers.

On Monday evening, the first day of the fair, we left Detroit, were whirled rapidly as far as Michigan city, from which place we passed by way of Lafayette and Indianapolis, to Louisville. It was the first time that we had seen the lands of Indiana, and we therefore examined their appearance with much interest. That they were fertile, the magnificent and extensive fields of corn seemed to prove beyond question. Between Michigan City and Lafayette, there is a constant succession of small prairies, not rolling like those of Illinois, but mostly level extents, reaching for miles, belted in with heavy timber, on all sides. Occasionally there are depressions and rising grounds, but in all cases the elevations are slight, and the rivers flow slowly, on a bed but little below the general surface. Fences are few, and fields of clover and timothy are not to be found; the hay being mostly composed of the wild indigenous grasses of the prairies. The impression left on the traveller is that the land as yet is but thinly settled, and that its cultivation is only of the rudest kind. Large barns and stacks of grain were very few; while hardly a first rate orchard was to be seen. There were some of them in fair order; but a first rate bearing orchard we did not see during the journey to Indianapolis, and from New Albany to Michigan City. From Indianapolis to Louisville we travelled in the night, and therefore did not see that part of the state. Indiana as yet holds out many inducements to the agriculturist, and stock grower, which ought not to be over looked before moving farther west.

On our arrival at Louisville we found Michigan fairlyrepresented. From Coldwater, there was present F. V. Smith, A. C. Fisk, J. B. Crippen, W. B. Conant, J. B. Butterworth; from Ypsilanti, Mr. Degarmo and Mr. Alexander; from Plymouth Mr. H. Sly; from Jackson, Mr. A. P. Cook of Brooklyn and Mr. J. D. Olcott of Sandstone; from Oakland Mr. J. Daines of Birmingham. Mr. Crippen took down to this exhibition Green Mountain Blackhawk and two of his colts, Mr. Conant had a bay trotting gelding, and Mr. Butterworth had a matched pair of handsome light bay carriage horses, Mr. Olcott had some pens of Freuch Merinos, and Mr Daines had his celebrated tile machine. All drew first premiums

except the matched horses, which came in the class friends who accompanied us, every privilege we asked under sixteen hands, and on horses it was not pos- to examine and re-examine this superior stock of sible to get many premiums outside of Kentucky, Shorthorns and Ayrshires. with Kentucky taste as the standard by which the the judges were to be guided.

pose of an agricultural exhibition. They contained managed. about forty acres. In the centre was a large amphitheatre with seats roofed over, sufficient to acview, and did not give as fair or as full an opportu- her. nity for examination and comparison as we could Probably no decision made called out so much have wished for all. But the herdsmen who were in criticism as the decision on the stallions of general attendance were very attentive, and on making utility. There were twenty four of them entered, known our name and business, they afforded us every the first wave of the marshal's whip reduced the opportunity which we could desire. This was par-number to fifteen; four more were taken out, and ticularly the case with Mr. Alexander's herd, which amongst the eleven left were Green Mountain Black was in charge of Mr. John Patton, a Scotchman, to Hawk, and a most magnificent black horse named Tiwhom we are much indebted for giving us and the conderoga, from Baltimore. After some discussion,

The grounds and buildings are the property of the South Western Agricultural Society and are well The grounds were about four miles from Louis- got up; we ought to have the same kind near this ville, on the line of the Lexington and Frankfort city for the accommodation of the State fair, and railway, and were admirably adapted for the pur-we believe that with a little exertion it could be

HORSES AND THEIR TRIALS.

The show of horses formed the chief feature of commodate from eight to ten thousand persons. this exhibition, and certainly it must be owned that These seats surrounded the ring into which all the in this department Kentucky put her best foot foreanimals were led to be inspected by the judges. most. The horses shown were mostly large, of fine The judges had an apartment to themselves whence growth, some of them might be called leggy, showthey were called as the several classes were brought ing a great deal of blood. The trotting horses of forward. No person was allowed to approach the Kentucky were indifferent, the trotting stock mostly judges' stand, which stood in the middle of the ring, coming from other states. In this class Mr. J. B. except the marshals who preserved order. During Crippen, of this state, took the first premium, in every day of the fair this immense amphitheatre what is not considered extraordinary fast time. was crowded with spectators. On the outside of But we must say that it is much better than it looks. this amphitheatre were stalls with gates and shelves. In the first place the course is only a half mile one, In these many of the persons who came from a dis- but twice round it makes a mile and sixteen rods. tance, and brought their provisions with them, In the next place it is one of the worst tracks in spread out their repasts, during the recesses at noon, the country, being very uneven, with short turns, and with true Kentucky hospitality invited all who and even in some of these turns, the roadway has a chose to partake of the good cheer they had pro-slope to the outside, instead of being the reverse. vided. Others had their table cloths spread out un- The consequence is that no driver can pass these der the groves of trees, and enjoyed the pic nic as if turns without danger of an overturn, when at speed, they were used to it. For the invited guests long consequently he has to bring his horse down almost tables were spread under a fine grove of trees. To to a walk. Add to this that each horse drew three the right of the entrance from the road, was a long hundred pound wagons, and it will be admitted that and wide shed for the machinery, and for driving 2.58 the shortest time made was better than 2.40 in which a steam engine and pullies had been fitted up harness on the Detroit course. Against Mr. Crippen with much care. Further to the right was found a entered a Messenger horse from Long Island named small portable steam engine, driving thrashing ma- Washington; a horse named Young Hamiltonian chines, for the trial of which stacks of wheat had from Vermont, and two or three others of Morgan been provided, and at right angles with this there stock. On this trial of speed, Mr. Crippen's horse was a large tent under which were displayed the nu- handsomely sustained the reputation which he has merous agricultural implements. At some distance made in Michigan, though he had not been twentyfrom this tent and next to the amphitheatre, was a four hours off a railroad which nearly lamed him beround wooden structure, well lighted, with a wide yond remedy. In a trial of speed with geldings, W. second story gallery on the inside. This was the B. Conant's bay horse "George," not only took the Floral Hall. At the further side of the fair grounds premium the first day, but in a sweepstakes premiwere erected ranges of stalls for the horses, cattle um offered on Thursday, he again came out victor. and live stock, and still further back, in a hollow In the trotting classes it will be noted that time was shaded with trees, were the pens for sheep and hogs, the judge, and the fact that Michigan was bearing The arrangements of stalls though convenient and off the honors gave rise to much speculation as to the best for the cattle and horses, hid them from whether she would have much other chance given

symmetry nor action, and the second was given to a um are unknown.

tinguished from ours than in their early maturity stock give us Sovereign. both of size and training. Yearling colts of both each year when they have food and exercise suffi- always a ready sale for them to go south. With cient to develop their powers. Many of the saddle the large blood mares common to Kentucky, we are and carriage horses shown at this fair were close not surprised at the superior excellence of this state upon or over sixteen hands high, were perfectly in this kind of stock. broken to harness or the saddle, and under the latter had five or six different paces to which they changed at the option of the rider. All showed careful train- States was very much inferior in number to what ing in the colt.

all were ruled out but four, and of these four two of ters though more wiry in appearance, have not the them certainly were inferior in action, style, form and strength which Sovereign displays. The head and every point that makes a horse of value, to some of ears are very fine, and carried more erect, he shows those which had been sent out, and none of them somewhat more shoulder in proportion than Soverwere equal to Ticonderoga in general appearance, eign does, but he is also lighter behind. It may be and style, though equalling him in form. Of the good policy to change the blue ribbon from Soverfour that remained, all were in about the same con- eign to Scythian, we beg leave however to doubt the dition; but one was a peculiarly large dark bay, correctness of the judgment that dictated it. No with a great deal of the Highlander blood in him, he horse shown attracted more attention than Wagner, was passed over, and the first premium given to one the renowned conqueror of Grey Eagle. He is now which equalled him in style, though not in general 26 years old, but yet shows in every motion all the fire, and that indomitable spirit which made him the light bay named Sir William, a horse with thick first of four milers in his day. He is medium sized, shoulders, inferior form, whose head his owner was of a dun sorrel color, with a coat that glistened in holding up steadily by sawing the bit through his the sun like burnished steel. His whole muscular mouth all the time he was on the ground. Of the development was of the highest order, with limbs four left he certainly was inferior in every point in fine, hard, nervous, and perfect in shape. His head the opinion of every horseman outside the ring ears and nostrils, had a great deal of the Arab in The grounds on which he obtained the second premilithem. For a sire of racers, he was probably superior as a stock getter to any horse on the ground. But In no point are the horses of Kentucky more dis- for a blood horse such as would improve Michigan

No part of the exhibition was more worthy of atsexes, were shown equal in size to the average of tention than the show of mules. These animals were three year olds, whilst their best two and three year probably the best of their kind in the world. Genolds had all the size, and were as well broken as erally dark brown in color, with their tails trimmed five or six year olds with us. Many would probato a tuft, and their manes cropped so as to give their bly think this the result of a forcing process, but we necks a beautiful arched curve, with a height reachimpute it to climate as much as to care. In Ken-ing sixteen hands and over, (one of them was seventucky there are not over two months in the year du- teen hands high) they deserved and attracted genering which animals need shelter, and consequently ral attention. Mr. W. D. Duncan of Clarke county, they are growing nearly the whole twelve months. Ky., drove a most beautiful matched pair which he With us colts have the run of the barnyard during valued at \$500. These animals are bred from the the winter, but their feed is inferior, and consequent- very best mares, and prove very profitable, as they ly their growth is limited to about six months of are easily taken care of, easily reared, and there is

The show of cattle for this section of the United we expected to find here. We had hoped to see a The blood stock of course was the best of its kind large number from the various herds of Kentucky, in the Union. The imported horse Sovereign was Indiana and Ohio, but while the two latter states awarded the first premium by the committee, but turned out tolerably well, the men of Kentucky seem we see that it has reconsidered its judgment, and has to have come to the conclusion that if Mr. Alexangiven the first premium to Scythian, a later impor- der was to be permitted to enter his herd, there was tation made by Mr. Alexander. Putting the horses no use in trying to compete, so they gave it up, and on their merits, we doubt very much whether the did not come. Many of the best informed, stated to committee have amended their decision by the us that the State Fair to be held at Lexington the change. Sovereign is a large, dark colored, well next week, would afford a much better opportunity proportioned horse, with a greater range of body a of forming an opinion as to the general value of the deeper and fuller loin, fuller buttocks, as good limbs, stock of the state, both with regard to cattle and horand a chest head and neck better than those of Sey- ses, than this national fair, and warm invitations were thian. The latter is a light bay with three white extended to us to remain and witness it. But urgent feet, is not so large as Sovereign, has a full deep chest, duties at home rendered it impossible to accept but is not so rangy in the body, and his hind quar-them. There were present good specimens of the

and Jersey breeds, so that there were ample oppor-brought into the United States, out of Francis Fairtunities to compare and examine.

THE SHORTHORNS.—Neither in aged bulls nor cows have we any in this state which will compare with the Shorthorns which took the first premiums at this exhibition. We have a few which will approach some of the second prize animals in quality, size, and general appearance. We do not say this to depreciate what stock we have, but that our stock breed ers may understand the position in which their animals would be placed when judged by comparison with the highest standard. The bull Sirius, to which was awarded the first premium, is not a perfect animal, but he would be hard to beat when taken altogether. In size he is right, being not too high. His each, were models, and it was not surprising that legs are short but not disproportionately so, and thus they obtained the 1st and 2d prizes as yearlings. carry his body near to the ground; they are not Mr. Corwin's Crusader, was awarded the 2d preing behind him, his buttocks and hips are square, superior animal to Sirloin when of the same age. the twist the muscle is full, and the gambrel broad only glance at a few of the animals which seemed to in high condition, there was an evenness over its others from the herds of various breeders in Indiana. His shoulder was full, and there was breadth as well of names to mention them. as depth in the body immediately behind the blade, coarse. The head is fine pointed, clean under the his limbs seemed to be impeded. A heifer three pearance, with a clean fair nose, a bright mild eye, weighed 2500. She had a breadth of back which a forehead broad and smooth, the hair fine, and curling close to the horns. The ears were small, delicate, and richly furred. The tail was long fine, sweeping at the extremity, and came out at the root | Sotham of New York, and Humphreys and Astor of straight and level. The hide was rather thin, the hair was good however. He was unquestionably the best bull on exhibition. He is five years old, and it is better adapted than the Shorthorns. weighs over 2700 pounds. A bull of the same herd. named Elhakim, had a better hide, a fuller crop, and shown at our own state fairs. The principal prize a longer and heavier hip than Sirius, but his hair was was taken by Mr. Charles Ely of Elyria, Ohio, who not as fine, nor was his general symmetry as perfect, now owns the stock formerly brought into this state although we believe his stock would be quicker by F. V. Smith of Coldwater. growing animals and more apt to put on flesh rapidly. He was deep red in color, and a massive beast imals shown were good specimens of the breed. In We ought to have this animal in Michigan. His these Mr. Alexander again stood among the first, sire was Grand Duke. Another remarkable bull of Michigan had no cattle on the ground with which this herd was Grand Turk 2d, only 16 months old, to compete for the prizes.

Shorthorns, Herefords Devons, Ayrshires, Alderney a son of the Grand Turk, the largest bull ever fax. He was white in color, and in size seemed large enough to weigh between 1800 and 2000 pounds.

> We have nothing to show in Mic igan like the cows and heifers of this herd. "Forget-me-not," the first premium, had never been fed a mouthful of grain until within two weeks of the fair; for size, proportion, and condition she was wonderful, yet she did not handle as well as a cow called "Cannie," imported lately, and which was awarded a first premium in her class at the Royal English Exhibition at Carlisle in 1855. Her hide was one of the best we ever put fingers upon. The two Mazurka heifers, twins, only 21 months old, and weighing 1800 pounds

too fine, so that he seems spindle shanked, but clean mium. He is a very fine animal and has many good well shaped, and fine without appearing light. His points. He is white, and has raised some remarkafeet are well shaped, well set, and small, the hoofs bly good stock. Mr. Pierce of Ohio was also presbeing a good rich healthy color, and so are his ent with some very fine stock, amongst which was horns which are fine, flat, and light. When stand- a young bull which he considered would turn out a and his legs stand apart a considerable distance, at He is only a calf as yet however. We of course can and rounded. His back is square, level, and though us as most notable for excellence; there were many whole surface which showed perfection in breeding. Ohio and Kentucky, but it would be only a repetition

The fat cattle shown were such as we seldom see, with a fullness of flesh which made the crops as and even our friend Lyndon might have found an perfect as those of a Devon, and rounded off that animal or two that would have tested his utmost skill portion of the fore quarter which in Shorthorns to surpass. Mr. Shelby of Kentucky had five head, frequently seems thin and flat, besides covering the of which the lightest would over go 2500, and the blade with meat. The neck is short, and rounded heaviest must have over gone 3000 pounds. He up so that the crest is sufficiently marked to give was a moving mass of beef, or which were spread style to the carriage of the head, without appearing. hummocks of fat so great that every movement of chops, of a size well proportioned to his general ap- years old belonging to Isaac Shelby must have would seem impossible to obtain in an animal of her

> The Herefords were well represented, by Messrs. Lorain county, Ohio. This is a breed not yet tried in this State, although for our northern timber lands

> The Devons were in no wise superior to those

The Ayrshires were well represented, and the an-

The sheep of Michigan were well represented by a lot of French Merinos and a Spanish buck, entered by sented by Mr. John Daines of Birmingham, who J. D. Olcott of Sandstone, in Jackson county. As the had his tile machine on the ground, with the matebest representatives of the fine wooled races on the rial to make tiles. He was kept busy making tiles sheep were originally from the Patterson stock of it. He could have sold several machines, if he had Chatauque county, Nov York. The Cotswolds and had them on the ground. The committee awarded Southdowns were not numerous, but they werefair- him a silver medal. ly represented, and the pens shown were superior in W. Scott of Kentucky, exhibited some pens of his Kentucky sheep, which compared favorably with the Cotswolds as to size and quality.

The hogs presented no remarkable points or qualities, nor were they present in numbers or varieties sufficient to attract much notice. In imitation of the English classification, the society has separated hogs into "large" and "small" breeds. This cllassi- field, O., bronze medal. fication is defective and means nothing with us. If we wish to encourage the raising of pure races of Harvester. hogs with good points, the breed should be specified. Societies might as well, and with more propriety offer premiums for large and small breeds of domestic fowls. We consider hogs of as much importance as poultry, and there is no reason why premiums should not be offered for the best Yorkshire, Berkshire or silver medal. Leicesters, as well as to mix them all up under the term "Large Breed." With fowl they are particular to note the large breeds and to separate them under their distinctive heads. Crosses are not prized. Ought not the same principle to be carried out with swine? This is toadyism to the customs of another country entirely unsuited to ours. We hope it will be amended.

The exhibition of fruits was not superior to some we have had in this state. There were collections of grapes which had been sent from Boston, which were N. Y., bronze medal. well worth noting. Apples were in good variety, but not extraordinary; many specimens were indifferently grown. Pears were not presented in large Ohio, bronze medal. numbers. Some of the floral ornaments of the hall were well got up, but the manufacturing interests did not avail themselves of the opportunity to dis-certificate of merit. play their wares, and the upper gallery was not filled.

In the implement department we saw no straw cutter superior in its operation to that manufactured and hence that point is withheld as yet. by Messrs. Felts and Brother of Brooklyn in this and prepared for seed.

In the machine department, Michigan was repreground, they were awarded a first premium. These during the day, and answering questions respecting

During the fair the President announced the dequality. Amongst the long wooled races, Mr. R. cision of the judges on the great trial of harvesting machines at Syracuse, which is as follows:

AWARDS FOR REAPERS.

First premium, C. H. McCormick, Chicago, Ill., gold medal and diploma.

Second premium, W. Atwood, Hoosac Falls, N. Y., silver medal.

Third premium, Warder, Brokaw & Child, Spring-

Diploma, Jonathan Haines, Pekin, Ill., for Illinois

AWARDS TO COMBINED MACHINES.

First premium, W. Atwood, Hoosac Falls, N. Y., for J. H. Manny's machine with Wood's improvement, gold medal and diploma.

Second premium, D. M. Osborne, Buffalo, N. Y.,

Third premium, Warder, Brokaw & Child, Springfield, Ohio.

HAY OR COTTON PRESS.

First premium, W. Deering & Co., Albany, N. Y., for Stationary Parallel Hay Press, silver medal and diploma.

First premium, to same for Portable Parallel Hay Press, silver medal and diploma.

GRAIN CRADLES.

First premium, T. H. Robinson, Ontario county,

SCYTHE SNATHES.

First premium, Frost, Burke & Co., Springfield,

HAY RAKES.

Jno. Hatch & Co., N. Y., Superior Hay Rakes,

The judges had not been able to make up a decision as to the merits of the best mowing machines

As an exhibition representing the agricultural pro-State. There was a large number of implements ductions of the United States, we think the fair a tried, together with the plows, such as harrows, seed failure. As to its success in a pecuniary considerasowers, cultivators and horse hoes. Amongst the tion it probably turned out well. We shall not at new tools we noted the circular harrow as something present point out all the reasons why it was a failure, peculiar. This harrow is constructed like a wheel, but we think the society could exert little influence and the teeth set at right angles with the rim. The through this exhibition beyond that of a mediocre draft is attached to the axle of the wheel by a cross state fair. The point where it was held was as good bar, which, as the horses pull, causes the harrow to as any that could be selected in the south western turn round. The circular motion of the teeth grinds states. But the people most interested did not reup the earth very fine, and leaves it well pulverized spond, except locally, and even then but partially. One man's large wealth, and great resources enabled

him to frighten off all competition. He was right, had livewise received a large order just previous to his stock was the best of its kind, and his triumph our arrival for barrels for the Lake Superior trade. was bonorable alike to himself and his state and We say most heartily success to all such enterprises. the whole nation. Still he had not the oppor- It is satisfactory to see manufactures of this kind estunity of competing with his equals, and this is what tablished and building up the country. the society aims to reach. The time of holding the Horace Welch's farm.—We paid a short visit to fair was too early if held annually. The exhibition the farm of Horace Welch on the 11th of August. of the United States Society should be a court of last having some business with him. Mr. Welch has a resort, to which should come the winners of the first farm of 400 acres in the town of Pittsfield, which he premiums at the state fairs to measure their strength has been located on for more than twenty years. It with each other and all who would compete with stretches for a mile and a half along the highway. these winners for the first positions as agriculturists. We found him busy with a Manny's reaper, which We are even doubtful about the propriety of holding he had tried this season for the first. Hitherto he these exhibitions every year. For a state or a counhad found it easy enough to procure help sufficient ty an annual exhibition seems appropriate enough, to secure his hay and other crops, but the high pribut to exert a supervisory influence upon them, the ces, to be paid for labor, and a very large extent of United States Society must not descend to the same land in grain, determined him to purchase a reaper level, and come in competition with them. Probably and mower. Here he pointed out a field with about it would be better now that the society has been ini- nine acres of it which was so thickly set with stumps tiated and found useful, to hold its exhibitions not that it was thought at first that a mower could not oftener than once in two years; and then to select work in it, but after noting the work of four men such a central point as all could reach with ease. If with scythes for half a day, Mr. Welch's son proposit aspire to exert an influence which shall elevate ed that the men should cut a swath round each agriculture, and be beneficial to states and communi-stump so that he could see where they were, and he ties, it must step out of the arena of competition with would take the machine and cut the grass. This lesser bodies, which it is now in, and hold a more dignified position. We know of no way by which this without injury to the machine or fatigue to the horcan be done than by making its term an Olympiad ses. As Mr. Welch said, "harvesting now did not to which contestants shall look forward from all keep the whole household in an uproar to cook quarters with eagerness equal to the esteem in victuals. All the extra feed was given to the horses, which its honors should be held.

Our Note Book.

berries and currants, which had not yet been de-tion in breeding, feeding and protection? be a valuable one.

They had got their cooper shop in operation since parison of the food consumed by a flock of 100 our first visit, and were busy filling orders from all Spanish weighing 90 pounds each, and the sales of parts of the west, having received enough both for wool and mutton from them during twelve months, staves and barrels, to keep their whole force fully with a flock of 100 French weighing 110 to 120 employed. Their staves were going by way of the pounds each, would be the only method of testing

was done, and the whole was cut in a single day, while the women folks had as good a time as the rest of us."

French and Spanish Sheep-Mr. Welch keeps a On the 10th of August last, we were at the farm flock of 400 Spanish Merinos. This variety is the of T. T. Lyon, the well known contributor to the favorite with him. From them he clipped this year an Horticultural Department of the Farmer. His average of 5ths. 2 oz. per head. He does not regard orchard of which he has an exact plan, and in which the French with as much favor, and seems to think every tree is laid down with the name, is on a very that our climate is rather severe for them, and that stony and rough piece of land, which it has taken they will not keep up without more care than most some time to get into working order. His trees had farmers are willing to afford them, or think it profitsuffered somewhat from the effect of the preceeding able to give to any sheep. The French sheep are winters, but not so severely as some orchards on less the Leicesters of the fine-wooled breeds, and being stony and lower ground. We noticed a few fine nec- artificial, require to be kept up by selection, by crosstarines, trained against the wall of his house, which ing, and by protection from the severities of climate, had fruited well. His latest cherries were just out and also by a system of more liberal feeding. So of bearing, but we had an excellent opportunity of argue their opponents. But the question after all testing the quality of his Fastolf and Antwerp rasp- is, do they or do they not pay for this extra attennuded of their fruit. His crop of winter apples will should like to have some of our sheep growers give us their figures on this point. Not the profits made May & Co's Stave Factory-We stopped a short by breeding to supply animals to breed from, for that time at Messrs May & Co's stave and barrel factory. is a distinct part of the business; but a fair com-Michigan Central Road to Illinois and Iowa. They'it, and such an experiment should be undertaken un-

charge of a special committee, with an award of a which besides containing little nutriment, was not premium liberal enough to make it an object for the ripened enough to afford a healthy food. This when most skillful partisans of each to test their opinions by proving which returns the most money from the capital and labor invested in them.

Amongst many sheep farmers throughout the state, there is a strong opinion expressed that Mr. Patterson of Chautauque county, New York, has in by physicians in the treatment of human patients. some way or other, taken in a great many sheep men and "done them brown" out of considerable sums for sheep which did not turn out as his agents represented them. We have not yet come across one of these men who have been so badly taken in, but we are frequently informed that they are numerous. We have met Mr. Patterson several times, and on one or two occasions informed him of these rumors. He distinctly denied that there was the least foundation for them. He had never sold a sheep that was not just what he represented it to be, and he said he would like to have any one point out a single instance of bad faith on his part towards any of his customers. We believe in justice to all parties, and hence we bring the matter up at this time, that justice may be done to a valuable race of sheep, and also to test the question as to the truth of these rumors. We have diligently sought in our travels, which have been somewhat extensive this season, to meet with one or two of the parties which have bought French sheep at high prices from Mr. Patterson and which have turned out to be worthless, where bred properly and with some regard to correct principles of breeding and crossing.

Scours in Cattle.-S. Lyndon called our attention during a brief stay at his house to the effect which the wet weather, was having upon his grass and cattle. Nearly all of his cattle were suffering from looseness or scours, apparently brought on by the feed which the previous wet and warm weather had caused to grow with great rapidity. The grass being pushed forward too rapidly, it was soft, contained but little nutriment, and had a relaxing effect on the system. One of the simplest remedies for this disease, before it has attained a dangerous or inflammatory state, is to keep the cattle in the yard until the sun is well up, and give them a small feed, say a couple of quarts of dry bran or middlings, before turning them out. Where this has no effect, 2 oz. of powdered chalk, and half a drachm of opium with 2 drachms of powdered gentian root, given once or twice a day, with meal gruel is the best perscription we know, and only timothy hay should be fed out. This acts as a tonic and astringent, without checking the disease too suddenly.

The disease of scours in cattle, seems to be similar to that which affects persons who eat much un-

der the auspices of the State Society, and under the growth of grass of a weak and immature quality, and eaten in great quantities, with no other food to counteract its evil effects, would bring on a disease similar to diarrhea, caused by indulgence in eating largely of unripe fruit, and would naturally be cured by remedies similar in their nature to those employed

> Stock near Clinton.-From Pittsfield we crossed over to Clinton, being desirous of seeing what the Northern Lenawee stock men were doing. friend E. Smith, Esq., an account of whose marsh operations was published in the August number, gave us a hearty welcome. As an example of what he was trying to do, he exibited a very handsome and well made heifer calf named Jenny, a grade, which when exactly four months old weighed 490 pounds! She was sired by Neptune (1016 A. H. B.) a son of Halton, and her dam was a half blood cow-She had little extra feed, her dam was allowed to give her about half her milk night and morning, and she had the privilege of a piece of pasture that was not of the best description.

Duke was at the farm of John A. Wells, and we drove out there. We found the Deacon busy getting in his wheat, which he considered would not turn out as as well as the straw promised. Duke has grown considerably this season, and has become more square and better formed behind. He promises to become a valuable animal, for stock breeders. He is filling up very square, with a fine head and muzzle, a good hide, with the hair a little hard perperhaps. He has a good width of chest, and fills well out at the shoulders carrying a straight back, and a fair loin. He must cross well with the stock which is around him, and he will leave his mark in that neighborhood. Mr. Smith purchased from the Messrs. Sly of Plymouth, Beauty, and Bellflower, two three year old heifers, of medium size, red and white in color, and each showing good breeding and excellent, well developed points. They are intended to breed with Duke, and the cross will prove a good one, we feel certain.

On returning from Deacon Wells' farm, Mr. Smith pointed out the ravages which the hailstorm had committed, and showed us a field of Tobacco, which previous to the storm, was very luxuriant, but it had been literally cut to pieces by the hail. So badly was it injured that Mr. Smith wrote to the owners, who were in Connecticut, and had come up here and hired the ground from him, that they might give up all hope of a crop. This was about three weeks previous to our visit. At that time the tobacco plants had so well recovered, that Mr. Smith had sent men in to hoe the ground and clean it, and he ripe fruit. The first growth of grass being eaten off, and also written down to Connecticut advising that the wet and warm weather had apparently forced a the tobacco was giving hopes of a fair crop yet. To

show the rapidty of growth of this plant, Mr. Smith exhibited a leaf, which had grown on a stem that had been entirely stripped by the hail, and this leaf measured eighteen inches in length, and about fifteen inches across. We hope to know more about the details of this crop when it is taken off the ground. We are of the opinion that some of cur rich swales or well drained marshes would grow this plant well and profitably; especially if the muck was well top dressed with sharp sand, and the lot tile drained, so that no water would remain standing after the heaviest rains. It certainly would be worth a trial, and if successful the crop would amply repay all necessary expenditure. We shall pay some attention to the cultivation of this crop in future numbers.

The Cœnurus Cerebralis.

In the August number of the Michigan Farmer, I read with much pleasure the particulars of an editorial visit to Oakland county, and to its farmers. Amongst the latter, Mr. A. L. Johnson, received a visit, and the particulars are given of the circumstances under which he had lately lost a calf; it is to this subject I desire to direct attention.

It is evident to me that the calf died of a disease common to them, to sheep, pigs, rabbits, and even to dogs, known (in England) as the "gid," or "mad staggers." This disease is caused by a parsitic entozoon, always found located, singularly enough, in the substance of the brain; the name of this parasite appears at the head of this article.



The Cœnurus, is one of the most simply organized animals, consisting of a large bag (c) always filled with water, at the end of a long neck (b), the summit of which is provided with suctorial mouths (a), adapted alike to adhesion to the tissues by which it may be surrounded, and for the procuration of nutriment. They are frequently found provided with many heads, which can be retracted within, or protruded without the common cyst.

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This Hydatid form is by no means uncommon as a parasite in the animal kingdom and in man, and wherever found, they invariably produce distressing, if not fatal disease. They have no sex, and appear to propagate most abundantly by the mere act of spontaneous division, such as is common to plants.

In a species, afflicting alike humanity, and domestic animals, but still lower in the scale, the *Acephalocyst*, (headless cyst) there is not even a mouth, and this animal cell like its vegetable congeners, lives alone by imbibition; in other words, by the transmission of nutriment through the surface of its integument.

Of course, there can be no cure for the Cœnurus, and the best that can be done is, to terminate the animal's suffering as soon as the "gid" makes its appearance. After death, pass a saw round the skull, and remove the upper part, so as to expose the brain; an animal, like the figure given will be invariably found, and if carefully removed, and put in a bottle with weak spirit, I should now, be glad enough to receive it, for the purpose of instructing others. I have had many such animals, but have given them away until I have none left.

Many Cystoid animals there are closely allied to the Cœnurus, and afflicting alike domestic animals, and man, but their effects are not immediately fatal.

The Scott Shingle Machine.

HENRY GOADBY, M. D

A good many letters have been received by us making inquiries relative to the Scott shingle machine, and it seems that Mr. H. F. Parrish, the agent for the sale of the right in this State has also received a very great number of letters on the same subject. By way of gving a general reply and some information on the subject he has prepared and sent us for publication the following:

R. F. Johnstone, Esq., — Sir: I hereby ask that you would do me the favor to publish the following account and estimate of what one of the Shingle Machines advertized in your Farmer can do. I have lately received a great number of inquiries asking information on various points connected with the manufacture of shingles by the Scott machine and have prepared a statement which will cover the whole of them.

1. What kind of shingles does the machine make? The Shingles are neither rived nor sawed, they are sliced or shaved off the bolt with a powerful knife and lever, which gives them a good smooth surface better than any sawed shingles can have, and equal to that of a riven shingle. The feeding apparatus of the machine operates with exactness and surety, and each is of the same thickness, if the bolts are only made of the same length.

2. Is the wood steamed, or does it undergo any preparation before being cut into shingles? The bolts are steamed in a common plank steambox such the shingles when they are pointed.

been used as fire wood The black ash shingles are process, they are equal to the best pine, for covering authors are very limited in comparison. barns, sheds and dwelling houses.

and work it very profitably.

working, placing every thing at its money value, stitute on the same subject. would be \$7 per day. With a horse power the machine would easily average from eight to ten thousand per day, worth in market from eighteen to twenty shilling per M., but even reckoning them at only \$2.00, there would be a return of from \$16 to \$20 for every \$7 or \$8 of cost.

Mr. Editor, I do not know of any machine so simple so easily managed, which will prove a better investment, or which will furnish more profitable and more comfortable work during the coming winter season than this Shingle Machine. It can be worked on a barn floor or in any shed which may be convenient. The horse power and the machine can all be put in twenty feet square, and worked to advantage. Any other queries, I am ready to answer at any time, and to exhibit the machine in operation.

Yours very respectfully, H. F. PARISH. Hamtramck, September 5, 1857.

Letter From W. R. Prince.

T. T. Lyon, - Sir: Having perused your article the apple you and others have termed "Virginia

as any one can attach to a close boiler with a steam disseminated from that State it obtained the erropipe. The bolts take from two to three hours to neous title you have quoted. Your hints to pursteam them, and the fuel used in the furnace is the chasers of fruit trees urging an examination of the waste wood left from the bolts and the trimming of blossoms and gland of the peach trees and the color of the bark and the peculiarities of growth and form 3. From what kinds of wood can shingles be cut? of pears and other fruits. By adopting your sug-From every kind that grows in the State of Michi- gestions they can decide the first season whether the gan, white oak, black ash, hickory, white wood, bass trees received are accurate or not. In the 34th and wood and pine, can all be made into shingles. With 36th editions of our Fruit Catalogue we gave the the steaming process, and this mode of cutting, shin-only general list of peach trees with their glands and gles can be made from material which has heretofore the color and size of the blossoms that has ever been presented to the world. The lists published by the probably the most lasting we have, and made by this London Horticultural Society and by some French

The establishment by your State of an Agricultu-4. How many shingles can be made in a day, and ral School with a Horticultural department is a most what power is the best to use? With the steaming important movement, and will form a basis whence box in operation, and located so that there need be mighty benefits will be derived by your citizens at little carriage from it to the machine, two men could large. Throughout our wide spread country the march easily make from 5 to 8 thousand per day. Where is everywhere "onward," and I cannot anticipate it was attached to a railroad horse rower like that the glorious destiny which awaits her, without an enof Emery's or Wheeler's it would make double that tusiastic thrill through my veins. The Chinese Ponumber, and then a man and a boy, could attend it tato or Dioscorea appears to nave been less planted in your State than in some others at the west, but I 5. What would be the cost of working it per day? noticed that Mr. Adair at Detroit had it under culti-The wages of two men per day in the winter season vation. I have three acres now in the most flourishwould be \$1.00 each, the work of a pair of horses to ing condition. You will form some idea of its destidrive the machine would be \$2.00 more; the oil, and ny in our country by perusing the report made by wear and tear of machinery may be put down at Hon. Henry Meigs, Secretary of American Institute \$1.00; the wood to be cut into shingles whould be the present week, comprising statements from two of worth about \$2.00 per cord, and about a cord per the great Agricultural Societies of France. I wil day might be used; so that the whole expense of also send you my address made to the American In-

W. R. PRINCE,

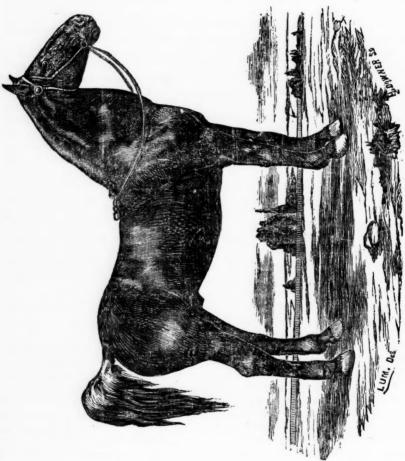
Digging Potatoes.

The potato harvest is greatly facilitated by the use of the plough; and one of the best methods is to commence by back-furrowing between the rows with a double team, running the furrows a little lower than the potatoes in the hill and near enough to roll out a few of them, the remainder of the work is to be performed with the hoe. Try it brother farmers you will find it much ahead of the old back-breaking way that has so much deterred people from raising that quantity they otherwise would.

Albion, Mich., Sept. 21st, 1857.

29 One session of the State Teacher's Institute will be held at Ionia, October 6th, and at Lansing, October 19. They have have been in session at different places through the State during the month of September.

The original Ribston Pippin apple tree is in Michigan Farmer for July. I will explain as to still in existence at Ribston Park, the property of the apple you and others have termed "Virginia Theo. W. Abbot, Wetherly, England. The old tree decayed until it was thought at one time it would Red Streak." This apple is the "English Red be lost, but a side shoot sprung out, which has in-Streak," long cultivated in Virginia, it having been creased to a tree and is considered the old tree.



HAMBLETONIAN

Hambletonian was streed by George Barner's horse Herry, of Whitchall, Washington Co., N. Y—he by Signal, out of a Messenger mats. Hambletonian's dam, by Mambrine, grand dam, Balboy's Hambletonian is 15 1-2 hand, weigha 1150 pounds; poss-seing the action, with great powers of endurance, untraines good evidence of speed, which will be shown to the Judgee at the next Suce Fair. Hambletonian is a beautiful blood blay, black mane, tall and limbs, without a white hair upon him, and for style cannot be excelled by any horse in the state. A Bay Stallion, the property of F. E. Eldred, Esq., of Detroit, kept at his farm near Farmington, Oakland County Michigan.

Forticultural Pepartment.

Notice.

Every person who desires to be a member of the State Horticultural Society, may become so by the payment of one dollar, which entitles them to a ticket of membership for one year.

Members of the society are privileged to submit their fruits to the fruit committee, for names or classification and to exhibit at the shows, with a free entrance to themselves and families.

All fruits intended for the inspection of the Fruit Committee, should be packed in boxes or jars, in such a manner as to preserve it sound as long as possible. The air should be excluded, and in all cases of the softer fruits, such as plums or peaches, cotton should be employed as the packing material. Where there are several varieties in one package, the local or popular name should be gummed on each fruit. Accompanying each variety, especially where the name is unknown, a sample of the wood and foliage should be sent.

The packages must be sent free of expense to the office of the Secretary, 130 Jefferson Avenue, Detroit.

A meeting of the Fruit Committee will be held at 130 Jefferson Avenue, Detroit, on Tuesday, Septemher 29.

A meeting of the executive committee will be held at the same place on the same day.

By order. R. F. Johnstone, Sec'y.

The Michigan State Horticultural Society.

The call for a convention of fruit growers and all interested in the progress of Horticulture, was responded to very fairly on Tuesday the 8th of September. Quite a number of gentlemen met at Jackson, and took the initiatory steps to perfect an organization. The convention was characterized by harmony of opinion and of action; and it was universally conceded that the time had come when an organization which would act as a guide to public taste in all matters connected with growing the productions of the nursery, the orchard and the garden, was absolutely necessary; that by means of such a society only could the production of new and valuable varieties of fruits, vegetables and plants suitable for our climate, be stimulated and rendered available; and it only could serve to check the expenditure of Fair. time, labor and money which wrong practice was so apt to incur upon the spirited beginner, who sought to improve.

The organization at present is only the beginning, and we cannot expect any great results for the present year. It will be seen that the officers have been chosen. It is expected that the Executive commit-

tee will meet at the office of the Michigan Farmer on the evenings of Tuesday and Wednesday of the week of the State Fair, to consult and advise as to the most efficient methods of promoting the objects of the society. Those who desire to become members of the State Horticultural Society, it will be seen by reference to the Constitution and By-laws, can become so by the payment of a dollar, in return for which they and their families will enjoy free entrance to all its exhibitions, the privilege of competing for its premiums, and they will come in for a share of the distribution of the seeds, cuttings, and plants of new varieties which from time to time will be at its disposal, and which may be purchased with its funds for trial or circulation. The members only will be privileged to have their fruits examined, and classified by the standing fruit committee. This is a matter of much importance to every fruit grower, and is a privilege which all ought to appreciate. How often may we hear the owner of a fine orchard exclaim as he points to the fruit on some favorite tree, that he would give five dollars to know what was its correct name.

The standing committee will meet at the office of the Michigan Farmer on the first day of the fair, and continue in session from time to time as they may deem necessary. The members of the Society or persons desirous of becoming members, and having fruit examined, may forward specimens, to the Secretary at Detroit, properly packed, either in jars or boxes, so as to exclude the air, and prevent them from being injured by bruises or otherwise. With the specimens should be sent also descriptions of the growth of the tree, whence it was procured, its habit of growth, and all such information as may be thought necessary to aid the committee in their examinations. Specimens of the foliage should also come with each fruit. It is expected that each person who is not a member, will become so when desirous of availing himself or herself of the advantages of the Society.

The committee is composed of the best fruit growers and judges of fruits in the state; and their judgment will undoubtedly be respected and esteemed.

It is not as yet decided that an exhibition will be held this fall, but it was suggested that at least one for fall fruits might be held at Kalamazoo, during the month of October or the early part of November. This will be decided upon at the meeting of the Executive committee to be held during the State

The present officers are chosen to hold their offices until the first of January and at the annual meeting to be held in December, a new election will be held, the constitution and by-laws amended, and a programme adopted for the ensuing year.

ent year. It will be seen that the officers have been taken altogether, we think we may congratulate chosen. It is expected that the Executive committhe horticulturists of the state, on the initiation of a

society which promises to be a great and lasting benefit to Michigan.

Notes on Fruit.

(Continued from last Number.)

BY T. T. LYON, OF PLYMOUTH, MICH.

Peaches.

Aug. 26th.—Gathered the first peaches of the season. They were Serrate Early York, Early Tillotson, and Slocum's Early.

Serrate Early York is much the finest of the three fruits—a beautiful, medium sized fruit, with a rich vinous flavor: a good bearer, and a hardy tree. It is, as the name implies, of the cut-leaved, or serrate class; and is said to be liable to mildew at the east. With me, it mildews very slightly, if at all. It has ripened here as early as August 8th.

Early Tillotson was heralded, a few years ago, as the earliest good peach. The tree is quite similar to the above, but more liable to mildew, and is, withal, one of the poorest bearers we have. It has always ripened with the preceding, and the fruit is very similar in size, appearance, and quality—certainly no earlier or better.

Slocum's Early is a variety received, some years since, from Western New York, where it is supposed to have originated. Until this season, it has been later than the above, poorer and milder in flavor. This season's crop is earlier and better. The variety has, however, some redeeming qualities which will always recommend it, especially as a market fruit. The tree is a good grower, with reniform glands, entirely exempt from mildew, and is an enormous bearer; while its brilliant color is exceedingly attractive. It is a pale fleshed fruit, with an unusually bright red cheek. It appears to be somewhat disseminated about Jackson. Elliott, in his Western Fruitgrower's Guide, classes it among the rejected varieties; but he is evidently mistaken in the fruit, as he describes it as having globose glands, and yellow skin and flesh, neither of which is true of this peach.

Sept. 5th.—Cooledge's Favorite ripe—an old New England variety, healthy and hardy—large, beautiful, and of the finest flavor. It is one of the best bearers we have, and every way desirable.

Sept. 10th.—Sweetwater is beginning to ripen. It is an unusually mild, sweet, and juicy variety, of good size, and a fine bearer. This is the Sweetwater of Downing.

The Sweetwater of Thomas, is a serrate variety; very subject to mildew, and unproductive. Trees eight years planted, although hardy enough to withstand the past two winters, have never produced a fruit.

Emperor of Russia, a very unique variety, with leaves unusually narrow and deeply notched, is cultivated chiefly as a curiosity. The fruit, when produced, is said to be excellent. Liable to mildew, and a poor bearer.

12th.—Honest John of Western New York, is a medium sized, and very good fruit. The earliest yellow peach. The Honest John of New Jersey, is said to be the same as Large Early York.

Large Early York is now ripening. It has globose glands, and small flowers—is a hardy vigorous tree, and bears well. Fruit large, beautiful and rich.

Haine's Early is very similar in tree and fruit, and, by some, considered identical. There appears to be a slight difference in flavor.

Cole's Early is another very similar variety, but with a darker red cheek, and sometimes a little earlier than the above. It appears to be a superior bearer. Sometimes lacks juice.

Sept. 14th.—Vanzandt's Superb is a large and beautiful pale fleshed peach, now just ripening. The tree is a good grower; leaves with globose glands; flowers small; flavor excellent; bearing qualities yet doubtful.

Bellegarde is another variety, very similar in tree and fruit, and ripening at the same time.

Early Red Rareripe is an old variety, with serrate leaves, slightly inclined to mildew, but not enough so to affect its growth; fruit large, beautiful and excellent. It appears to be a rather uncertain hearer.

Late Red Rareripe is a few days later than the above, under ordinary circumstances, but the peculiarities of the season, or, perhaps, the severity of the past winter, has had the effect to bring them along together; although a portion of the crop of this variety is but partially colored. The tree is a good grower and bearer, and the fruit, large and beautiful. In flavor it has no equal in its season. No amateur should be without it.

White Imperial is beginning to ripen. It is a beautiful pale yellowish white peach, with its cheek delicately tinged and marbled with purplish red. The flesh is nearly white, and very slightly tinged with red at the stone. Very juicy and delicious. Desirable for preserving, on account of its color. Tree, very hardy, a fine grower, and a superior bearer. Profitable.

Yellow Rareripe is now in season. There is so much confusion among growers with respect to this fruit, that it is difficult to assure one's self of its correctness. The fruit, as grown by the writer, is of medium size. Skin, very downy, of a rich deep yellow, with a very dark red cheek. Flesh, deep yellow, very much reddened at the stone, juicy, rich, and sweet in flavor. Tree, vigorous, and a good bearer.

Early Newington Tree, is a variety the writer has in vain endeavored to get true. The variety usually grown in its stead is, however, a very fine fruit, and eminently desirable, at least to the amateur; it being a large, and unusually beautiful fruit, of excellent quality, and very juicy. The tree, also, is a fine grower, but a rather thin bearer.

niform.

season; ripening an occasional specimen. It is the fruit, have long since ranked it as number one, among market fruits.

Cooper's Mammoth, received from Western New York some years since, proves identical with the tained. above.

Alberge, or Barnard's Scedling of Western New York, is a good grower, and a great bearer of fine looking fruit; but, with me, most deplorably lacking in flavor. Its fine appearance would, probably, render it profitable as a market fruit.

Noblesse is a large, light colored, beautiful, and excellent fruit. It is desirable only to the amateur ; as, although the fruit is of the highest quality the tree is of the serrate class, somewhat liable to mildew, a poor grower, and unproductive.

Gathering and Preserving fruit.

BY ROXBURY RUSSETT.

Whoever would derive large profits and prices from his orchard, must be prepared to take care of his fruits, as after they are grown they have to be gathered and preserved; and the better this part of Besides it is the preservation which enables the fruit or on the floor, till got rid of by sale or otherwise. grower to put his valuable varieties in market when they are worth the most money.

The best mode of gathering as yet known is by various contrivances and some of them really meet all the requirements wanted, with the exceptions that they use up too much time. These contrivances answer for amateurs, but not for farmers. Every fruit taken from the tree should have its stalk unbroken, it should be gathered by hand, and placed in the basket, carefully and lightly, not allowing it to drop, or to knock against other fruit or against any substance that would bruise it in the slightest degree. The same care should be taken in removing the fruit when gathered to the fruit room, or place where they are to be kept. They should not be removed in a wagon or a wheel barrow. They should be carried in large baskets on a hand barrow, for that is the only method by which they can escape a certain amount of jolting.

The sooner winter fruits are removed to where dry up and wither. they are to kept, after being gathered, the better. The usual place of storing them is in cellars, where

Glands, globose; those of the true variety being re- Then they should be laid in as carefully as if they were eggs, for good keeping winter apples are worth Sept. 15th.—Crawford's Early is scarcely yet in as much, and good winter pears are worth a great deal more. But though it is the practice to put fruit too well known to need description. The fine growth in barrels to keep, it is not one that can be recomof the trees, with the size, beauty, and excellence of mended, unless the fruit is about to be sent to market within a short time. When in barrels also, fruit cannot be inspected and watched, the decayed or decaying ones removed, and good supervision main-

Shelves are much better, and these shelves might be so arranged and divided that each subdivision would hold the produce of a single tree. By thus keeping the fruit of each tree separate there would be less danger of spoiling. Trees of the same variety frequently grow fruit very different in quality, and while the produce of some will be scabby and wormy, the fruit of other trees will be free from these defects. A range of shelves, each one capable of holding from five to six bushels or two barrels, would accommodate an orchard very well. For a tree that produces two barrels of choice fruit worthy of being kept over, may be considered a first rate tree; and an orchard that contains fifty of these trees is a first rate paying investment. By keeping sorts separate, and even the growth of each tree from each other, much sorting, and picking will be avoided. No fruit should go upon these shelves that is not first rate in quality. The cullings, which may the work is done, the more profits will be obtained, be used or sold, could be preserved either in barrels

The fruit room should be a cellar, capable of being well ventilated and made dry before the fruit is placed in it, but afterwards it should be kept close, hand, with the aid of self-supporting ladders, and dark, and the temperature should at all times range small baskets, cushioned on the inside. There are between 35° and 45° Farenheit. Light and heat both act on the fruit and cause it to mature; and maturity is always followed within a short period by decay. Hence all-fruit should be gathered at a period before they become quite ripe. The low temperature and the exclusion of light delays the time of maturity, hence the keeping quality.

A French writer, in the Revue Horticole, also claims that all the carbonic acid evolved from the fruit, should, if possible, be retained in the room. Hence after the fruit is put in its place, the room ought not to be ventilated, as th's would permit this gas to escape, and also change the temperature. The same writer also charges on good grounds that all moisture or humidity should be kept out of the fruit room, as it likewise promotes decomposition, but the air should not be too dry, as then the fruit would

It is calculated that a room 15 feet long, 12 feet wide and 9 feet high would hold shelves enough for there are no special fruit rooms provided for them. 8000 large sized winter apples or pears, allowing If they have to be kept in barrels, each barrel should each one to occupy an area of four inches squaro, so be clean and dry before the fruit is put into them. that no fruit would touch each other. Allowing

150 apples to a bushel would make room for about ests are too much involved by the issue; but whoso 600 bushels of apples not one of which would touch has bought the trees, planted them, seen their promthe other, or at least 1200 bushels, where they were piled two in height. Those who have good cellars for fruit will now see the advantage of them; but we should prefer a room in the orchard built under the shade of the trees, in the manner of an ice-house, with double walls doors and windows.

Standards vs. Rootgrafts.

Ed. Farmer: As the growing of fruit as a staple product of our State is becoming more and more prominent each succeeding year, it seems of the highest importance that those who contemplate planting orchards with a view to their permanent ultimate benefit should know, so far as it is possible to obtain such knowledge, the relative value of the various in the fact that ten years ago root-grafting was our methods of propagation, as practiced by different nurserymen, as deducible from our present experi-

We are aware that the mooting of this question will create a buzzing in certain quarters, not without our peninsular boundaries, though haply beyond

the range of any spite-envenomed sting.

It seems to be difficult for men identified with any system to lay aside prejudice,-collate facts bearing upon its merits, or demerits, and trace therefrom an argument to its legitimate sequence, if adverse to their pecuniary interest. But for this cause we might have much to hope from our State Horticultural Association-if such we are to have-yet there is fear that in this regard they may emulate the virtues of their "illustrious predecessors."

Whoever may have been conversant with the doings, and discussions of the North-western Fruitgrowers Association will call to mind some noble exceptions to traits of character indicated above, in men who frankly and above board repudiated and condemned a practice their experience had disclosed to be erroneous; although involving the loss of thousands of trees, or the time, and labor of reworking them.

The evil results of root-working trees being more striking in the more central Mississippi region, it has done much towards effecting its own cure; and it is doubtful, if west of Lake Michigan there can be found a nursery of ten years standing that still makes it a reliance.

We will venture the presumption that the money paid from this State alone, for root-grafted trees more particularly for those brought from eastern nurseries, that are now dead, together with the Heart and Bigarreau cherries, dwarf pears, and popular peaches, to be put in the same category, would pay the interest, for the time, on a sum of money sufficient to build a railroad across the state.

factorily by the ratiocinations of those whose inter-'Kalamazoo.

ise fulfilled, or their hopes blighted both of tree and fruit; to them we must appeal, let them bring forward the facts.

We will put the most vital points at issue in the form of propositions that whoever shall have anything to adduce may speak to the question.

1st. Standard grafts or buds, as a rule, are more hardy than root-grafts.

2d. They are more prolific.

3d. Earlier in prolification.

It may be assumed that our own judgment stands upon the same basis of self-interest of which we com-

The most conclusive answer to this is to be found most approved method. That our nursery still displays its proportion of trees grown in this manner, of some kinds that seem least objectionable, for such as prefer them. But a degree of culpability would be felt in selling very many varieties as root-grafts without disclosing to the uninitiated what years of experience would seem to indicate as their true value, and the effect of the last two winters upon orchards, as well as nursery trees has dissuaded me wholly from their cultivation.

The facts of our own experience that have brought us to adopt the affirmative we will leave for the basis of argument, should there be occasion for further discussion. I will only add that trees budded near the ground, within six or eight inches, without being open to the objection so insuperable in root-grafting as a general system, are not only more economical as to labor, but seem to meet all the requirements of a perfect tree in beauty and prolification.

B. HATHAWAY.

Little Prairie Ronde, August, 1857.

Proceedings of the Horticultural Convention.

Pursuant to the call issued to convoke a convention, a meeeting of a number of citizens from various parts of the state was held at Jackson to form a State Horticultural Society.

The meeting was called to order by W. K. Gibson, Esq., of Jackson, and on motion, T. T. Lyon of Plymouth was appointed chairman, V. V. B. Merwin of Moscow, Secretary.

On motion, it was resolved that the members present be organized as an association to be called the Michigan State Horticultural Society, and that a committee of five be appointed to draft a constitution and by-laws to be submitted to the association for its government.

The chair appointed as such committee, R. F. Johnstone, Detroit; S. O. Knapp, and D. Cook of This subject can never be settled in any wise satis- Jackson; G. C. Willis, Moscow, and George Taylor,

This committee submitted the following Constitution and By-laws, which were adopted:

CONSTITUTION.

Preamble. The interests of Fruit-growers, Nursery-men, Orchardists, and all persons who desire an advance in the Horticulture of Michigan rendering necessary an organization, which shall protect them from imposition, and promote the elevation of the science, the following Constitution and By-laws have been adopted for the government of an association to be called the MICHIGAN STATE HOR-TICULTURAL SOCIETY.

ARTICLE 1. The name of this association shall be the

MICHIGAN STATE HORTICULTURAL SOCIETY.

ART. 2. The object of this association shall be the advancement of the science of Horticulture, and Pomology, and their kindred arts.

The association shall be composed of such persons as shall become members in accordance with the lowing report which was unanimously adopted:

terms of By-law number six.

The officers shall consist of a President, one ART. 4. vice-President from each local or county Society, a Secre tary, a Treasurer, each of which shall be chosen annually and also of six directors, two of which shall be chosen each year for a term of three years; but at the first election on the 2d Thursday of December 1857, six directors shall be chosen, who shall decide by lot which two shall serve for one year, and which two shall serve for two years.

ART. 5. The above officers shall constitute an executive committe, upon which shall devolve the general management of the affairs of the Society during its vacation, and any five of the said officers, including the President or Secretary, and one of the directors, shall constitute a

quorum.

ART. 6. ART. 6. The general meeting of the Society for the transaction of business, and choice of officers, shall be held on the second Thursday of December at such place as shall be designated by the executive committee, all other meetings shall be called by the executive committee.

Art. 7. This constitution may be altered or amended

at any annual meeting by a vote of two thirds of all the

members present.

ART. 8. The officers elected at the first meeting of the society, shall hold their offices until the first of January 1858; and the terms of officers chosen at the annual meeting shall commence with the first day of January of the year succeeding their election.

BY-LAWS.

The President shall have a general superintendence of the affairs of the society while the executive committee is not in session. He shall preside at its deliberations, and appoint committees unless otherwise directed. In case of his sickness, death, or inability, his duties shall devolve on such one of the Vice-Presidents as shall be designated by the executive committee.

The Secretary shall call all meetings of the society and of the executive committee, shall be "ex-officio Secretary of the executive committee and shall keep a record of all their doings, reporting the same at the annual meeting. He shall also in conjunction with the presi-dent and at the expense of the society provide places and

conveniences for all meetings, fairs, &c.

3. The Treasurer shall receive all moneys belonging to the society, and pay over the same on the written order

of the Secretary countersigned by the President.

4. A standing committee on fruits consisting of seven members shall be appointed by the President immediately after his election, whose duty it shall oe to prepare a classified list of the fruits cultivated in the state, indicating their relative value and whether for orchard or amateur purpose, revising or amending said list from time to time as they may judge necessary, and reporting annually or when called upon by the society. It shall also be their duty to examine and report upon all new seedling varieties exhibited at the meetings of the society, and on such other seedlings as may be submitted to their inspection during the vacation of the society by any of its members.

Vacancies occurring in the committees shall be filled

5. Vacancies occurring in the committees shall be incomed by the chairman of each, and in case of his death or inability his place shall be supplied by the President.

6. The members of this society shall pay into the treasury the sum of one dollar annually, and ten dollars paid at one time shall constitute a life-membership.

7. Order of business at the annual meeting: 1st Credentials of delegates present.

3rd Reports of committees.

4th Election of Officers.

5th New business.

These By-laws may be altered or amended at any regular annual meeting by a vote of the majority of the members present.

On motion it was resolved that a committe of five be appointed to nominate officers for the consideration of the convention. Meeting appointed as such committee, T. T. Lyon, D. Cook, W. Choate, J. T. Blois and R. F. Johnstone, when it adjourned to half past six in the evening.

At half past six the convention met,

The committee to nominate officers made the fol-

For President-H. G. Wells, of Kalamazoo.

For Secretary-R. F. Johnstone of Detroit.

For Treasurer-P. B. Loomis of Jackson,

For Directors-Hiram Walker, Detroit, D. K. Underwood, Adrian, John T. Blois, Jonesville, Linus Cone of Troy, G. W. Nelson, Grand Rapids, Wm. Bort of Niles.

On motion it was resolved that a standing committee on fruits be appointed, to consist of seven members, of which the Secretary shall be one ex-

Messrs. H. G. Wells, Kalamazoo; T. T. Lyon, Plymouth; Daniel Cook of Jackson; W. Davis of Detroit: Prince Bennett of Ypsilanti; Wm. Adair of Detroit, and R. F. Johnstone, were chosen as such committee.

Mr. C. V. Deland of the Jackson Citizen read a letter received from J. C. Holmes of the Agricultural College, in which he regretted that peremptory duties would not permit him to be present, and strongly advocated the necessity of the organization of a State Horticultural Society.

Resolved, That all newspapers throughout the State be requested to publish the above procedings.

The convention then adjourned.

T. T. LYON, Chairman.

V. V. B. MERWIN, Secretary.

The Apiary.

In a late number, a writer asks Uncle John, why his bees do not swarm, and also why large numbers came out, and hung on the outside of the hive, without showing any disposition to work. To this, the reply is that some hives do not swarm, but the reasons are not well known, but seemingly the state of the weather has an influence upon them. There are large numbers of hives, the present season, which have not swarmed, owing it would seem to the cold and wet state of the weather during the time when they would have swarmed. When at Mr. Wines' place at Ann Arbor in July last, who keeps a large number of bees in a Gilmore House, we found he had several hives which would come out every day as though they were ready to swarm; but never did-2nd Address of the President, with reports of officers. He gave them more room, by putting on an extra

box for them to make honey in, when it seemed to have the effect of setting many of them at work,

THE CACTUS FOR FORDER.—An Algerian colonist has
and the clusters of bees on the outside of the hive found that the thornless cactus is avaluable plant for fodto have the effect of setting many of them at work, were much reduced, though they did not entirely dis. der for cattle in very dry and sandy barrens, where the appear. Uncle John says he does not reckon it a great loss when bees do not swarm, as he calculates they make up the value of the swarm by the extra honey which they make.

AN EXPERIENCE WITH DRONES.

The same experienced bee man writes, "I saw in the July number of the Farmer, that it was estimated that a good strong swarm when leaving the parent hive, will carry away about five pounds of honey (now I wonder who the devil estimated that?) Now the largest swarm I weighed this year was but seven pounds and a quarter, and it was a very heavy one, and it could not have carried out more than from eight to sixteen ounces of honey. Experimenters with bees should be careful what they indite, for they are apt to mislead.

" Now I will tell you a story about my bees. Last fall, I was weighing my bees to find out what state they were in with regard to honey, to enable me to stand our winters, judge whether they could stand the winter, and one of one that was extraordinarily heavy; says he "that's a snapper; what will you take for it?" Before I answered him I lifted up the hive, and looked into it, and perceived at once that there were drones in it. So I told him that excepting the value of the honey, the swarm was worthless, for it had no queen. I knew at once that when drones were present so late in the season, there could be no queen in the hive. I went immediately to a neighbor, who was killing off some swarms to save his honey, and procured a young queen, and put it in my hive, and in less than two hours afterwards, the workers were giving the drones their coup de grace by stinging them to death, as fast as they could, when the green lawns or clumps of evergreens were wound around hive weighed no heavier than others."

A QUERY.

Miss Mary M. Wilson of Noble Centre writes :-'Dear Sir : - My father has a hive of bees that gives us great anxiety. During this excessively warm season, large quantities of the honey comb falls from the vines in 1848; 2nd., to M. Duchartres, who first in its place to the floor of the hive, crushing some boes, and giving others of the workers evident trouble in the company of the company of the workers evident trouble in the company of the workers evident trouble in the company of the recollecting it. Can you or any of your numerous readers give us any information as to the cause of it, and what is to be done. The hive is well shaded so that the suns heat does not appear to be the

The comb does not appear to have sufficient support, the wood of the box being possibly very smooth. In cases like this, it would be well to have a couple of cross bars run through the hive from side to side.

Foreign Horticultural Notes.

hot sun burns up all other vegetation.

THE MILDEW ON GRAPES,-The flour of sulphur, mixed with water, and sprinkled upon the foliage and fruit of the vines, seems to have the most beneficial effect, to prevent the mildew, as well as to cure the disease which has been devastating the vinyards of France, Spain and Portugal-It might be that plaster would prove a good special man. ure for vines affected with this disease.

We see it stated that Hydrangeas may be made to flower blue, by being watered with water which iron has impregnated. Iron filings mingled with the mould in the pots where they are set, have been employed for the same purpose.

A Wistaria Sinensis has been grown in England in the open air, so that it covered a pear tree with its most beautiful racemes. As a fine greenhouse plant, worthy on account of the ease with which it may be grown and of its extreme beauty, it has few superiors. It may also be set out in summer, and forms one of the most beautiful ornament for suburban grounds. It is possible that varieties may be raised from seedlings which will with.

The Flore des Serres, mentions that a double purple my neighbors was helping me. We at last came to Scabius, grown like a Geranium, has been cultivated in Belgium. The plant requires to be cut "hard in," when it blooms profusely at the end of the year when good flowers are scarce and much wanted.

> A new and handsome double yellow Rose has been grown, called Isabella Grey. The Gardener's Chronicle considers it as tender as the Tea Roses,

> RIBBON BORDERS.-At Ripley Castle, in Yorkshire, England, the system of "bedding out" is carried on to a great extent, 15,000 plants being set out annually. A very effective ribbon is formed by four rows of plants, namely first row the Day Geranium; second, Tom Thumb Scarlet Geranium; third, Calceolaria amplexicaulis; fourth Salvia patens. It will be understood that ribbon borders are formed by planting rows of flowers in long, winding borders, so that at a distance it seems as though the deep with a brilliant hued and many colored ribbon.

> GOVERNMENT ENCOURAGEMENT .--The French Society for the Encouragement of National Industry, has reported that \$2000 (10,000 francs) offered by the French Government in conjunction with the Society, for the discovery of a cure for the vine disease which has so long desolated the vinyards of France and Spain, is jointly due, 1st., to Mr. Kyle, an English horticulturist, who applied sulphur Society of the Department of Herault, who proved by experiments that sulphur was superior to all other agents previously tried, and also pointed out the most economical method of applying it,

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GROWTH OF EVERGREENS .- An Abies Pinsapo at Acton Green, near London, set out eight years ago, now measures thirteen feet and a half in height, and averages nine feet and eight inches in diameter of foliage.

A Cupressus Macrocarpa, or Large-leaved Cypress, set out nine years, measures twenty-four feet nigh and nine feet and a half in diameter. A Cupressus Goveniana, nine years planted, measured thirteen feet, by nine feet diameeter of foliage.

Household.

" She looketh well to the ways of her household, and eateth not the bread of idleness."-Proverbs.

EDITED BY MRS. L. B. ADAMS.

King and Queen.

BY L. B. ADAMS.

I am a king in my own domain, And my little wife is queen, And jointly over our realm we reign. A royal couple I ween.

Beauty and grace are the robes that flow From her lily shoulders down, The gems of truth on her bosom glow, And love is her golden crown.

But her dainty hands are brown with toil-Her cheeks with the breezes kiss, And she works for a tiller of the soil As if work for him were bliss.

I am the king and the t'ller too, My farm is my proud domain And the will to dare and the strength to do Are the scepters of my reign.

At my touch the teeming earth yields up Her wealth for my feast and store. The nectar of health brims high my cup, My measure of bliss runs o'er.

O, ne'er was a haprier realm I ween. Than ours, 'neath the arching sky, And never a happier king and queen Than my little wife and I.

Marrying a Farmer.

"Elsie Brand has really married a farmer-literally thrown herself away for life, when with her education and accomplishments she might have had her choice from any profession. What a shame it is!"

This was the exclamation of my friend Mary, whom I met after an absence of some time from the village near which she lived.

Mary was a farmer's daughter, as well educated as farmers' daughters usually are, a very good looking, good hearted, sensible, thinking girl, and the last one from whose lips I should have expected to hear such a sentiment as that above quoted. I asked her why she called it throwing one's self away to be a farmer's wife; for she acknowledged that in point of intellect, education, property, good looks, good character, and indeed in all that could be desired, Elsie's husband was unexceptionable, with only this one fault, that he was a farmer.

"My words may seem like those of a giddy, frivome not to have learned something of the destiny of a farmer's wife. I might relate some pretty serious experiences in the histories of not a few of our neighter. You saw her to-day, a frail, faded wreck of a out and saw her sixteen dairy cows, and her poultry

woman, without health or the power to enjoy the comforts of life her wealth might purchase. She is but five years older than I, and she looks twenty. Eighteen years ago she was married. There was not a more rosy, blooming girl in the neighborhood, and not in the county a more vigorous intellect, a better mathematician, a more accomplished reader, or one better versed in the current literature of the day than she. She married well, so we all thought. Her husband was an ambitious young farmer, with a comfortable beginning in the world, and seemed very proud to have taken such a prize as our Helen.

About a year after their marriage, the western fever ran high, her husband caught it, sold his farm here for a good price and speculated largely in western claims, 'I hey moved away, hundreds of miles from home, near the Mississippi. It was before the time of railroads, and we did not see them again for three years. They came home on a visit; Helen with a baby in her arms, but so changed that we could scarcely recognise her. She said she had not been sick, lived very happy &c., but she had grown thin, she was meanly clad in cheap, old-fashioned garments, she seemed neither to know nor care what was going on in the literary world, or indeed in any world except that bounded by the four walls of her own home: for she was very anxious to return, and did so in a few days, leaving us all sad and wondering at the change that had come over her.

In five years more, mother and I went to visit her. My dear friend, such a sight would have made your heart ache. There was her husband, a fine, robust healthy man, and there was his splendid farm, field after field waving with ripening grain, and hired men and teams of horses, and reaping and mowing machines were preparing for the harvest which three great barns stood ready to receive; flocks of sheep and herds of cattle filled the pastures and reposed under the trees left for their protection, while the great white house, my sister's home, stood stark and isolated in a treeless field, without a shrub, a clambering vine, or even a green shutter to relieve the blank and glaring walls; and she, the mistress of the house, the wife of the owner of all this wealth, was sitting on a broken stool on the earth floor of an out door cellar, working over butter with a piece of whittled shingle, on a board which she held slanting in her lap to drip into a bucket at her side! The pale, thin phantom in that damp vault, with her slip-shod feet, her blue cotton dress, scant and faded, lous girl," said she, "but they are not without truth the wan smile on her wierd looking face, and her and reason. I have had too many examples before little, skinny hand stretched cut for welcome, was Helen! She led us down into her living tomb, and showed us long rows of pans brimming with milk, and firkin after firkin of golden butter which she bors, but just to set the matter before you as I look had been all the spring and summer laying down for upon it, I will give you the example of my own sis- the autumn and winter market; and then we went

yard with its uncounted inmates, to whose wants and out the light of her own intellect, and live only by products she attended personally each day. In a the glare of his kitchen fire? Of course it is: and cool chamber in the great white house, were barrels you will see that Elsie, with all her education, beauty of eggs ready for the last boats to float down the and intelligence, will come down to that level before Mississippi, to make winter feasts in southern cities. ten years are past." Four sturdy boys tumbled about among the weeds in the yard chased the pigs, tore their clothes, rioted against farmers, but there is too much truth in the through the uncarpeted rooms, and disturbed people pictures you have drawn; and it will always be so and things generally. Helen was on the go from while women can be so easily led to undervalue daylight till late bed time, hurrying about in her ea- their own worth. If they rate themselves of less acger, breathless way, attending to every part of her count than the pecuniary interests of their husbands. househeld, doing all the work with her own hands, who will prevent them from making the sacrifice? sacrificing ease, health, intellect, life itself, to gratify In the first place, women want more practical knowlher husband's grasping ambition for wealth. It was edge of housekeeping than they generally have, to

crushed to death by some of the machinery on his fall to them to do. And, in the second place, there farm. She, poor thing, lives on, though I verily be-should always be a mutual understanding between lieve it is because there is nothing left of her to die! husband and wife, that she has just as good a right Her oldest son has run away, the three others are as to "life, liberty, and the pursuit of happiness" as he. untamable as the young buffaloes of their native A little independence on the part of the wife as well prairies, and her youngest child, her only daughter is as the husband, and the exercise of a mo 'erate share a hopeless idiot. She is rich, she has lands and mon- of good sense on both sides, will generally secure ey, but what are they to her? What is life to her? these blessings to the whole family. Farmers' wives or what has it ever been but a living death since she should not be drudges more than other men's wives; left her father's roof? A farmer's wife! No; but too many of them are, in a degree, the counterrather let me dig my own grave and bury myself at parts of Mary's sister Helen. once than be consigned to such a doom."

farmers' wives are not treated like your sister.

point you to a dozen within the circle of our own has it in her to "be somebody," she can, if she will neighborhood, whose lives differ from hers only in make it evident, in whatever situation she may be. degree. Their whole existence is one ceaseless round of drudgeries all centering in the steaming kettle on the kitchen fire. Look at the hired men and machinery in the fields to lighten the farmer's labors, and then look at the wife, denied the aid of even one assistant in the labor which provides for the comfort of all. They cannot affeed help for her. But they of all. They cannot afford help for her. But they can afford to crush her intellect and wear out the delicate machinery of her frame in the most menial toil, and they do it without a particle of hesitation or remorse."

You will find such things in all classes of life, and if you were to know both sides of these histories you would as often find the wife to blame as the husband, I said.

"Instances there may be among other classes, but they are rare exceptions. Merchants, professional book. men, and even mechanics, are proud to have their wives live at ease, dress well, appear well in society, and, as the saying is, 'be somebody in the world.' But who ever heard of a farmer encouraging his wife to indulge in any such ambition? Be somebody, indeed! Isn't it her business to wash the potatoes, scrub, bake, mend her husband's shirts, make butter the Report of the Smithsonian Institute for 1856 from Joand cheese for him to sell, forget her former self, put seph Henry Esq., the Secretary.

I hope not, Mary, You are sadly prejudiced a painful thing to see, and we made our visit short enable them to manage a household properly, and A year ago her husband was caught and instantly take advantage of the work that must necessarily

Some bright and noble exceptions we could name, But, Mary, this is an extreme case, I said. All which give conclusive proof that intellect, and even high literary honors, may grow and flourish among 'No; thank Heaven, all are not; and yet I can the productions of the farm, and that when woman

Miscellaneous Enigma.

whole must be practiced by all who wish to be loved and GEORGE W. KRUM. respected.
Vergennes.

Geographical Enigma.

I am composed of 18 letters. My 9, 2, 5, 7, 14, 18, 12, is a city in Michigan. My 12, 16, 7, is a river in the United States. My 9, 14, 15, is a river in Russia. My 16, 7, 12, 18, 11, is a Northern circle. My 14, 9, 2, 7, is a river in Europe. My 17, 2, 9, is a river in the southern part of the United States. My 10, 11, 1, 16, is a state in the United States. My 8, 16, 7, 17, 11, 1, is a point on the northern part of North America. My 11, 16, 15, 16, 7, 18, is a group of islands on the coast of Africa. My whole is a useful E. F. BROWN.

SEWING MACHINES .- We call attention to the advertisement of sewing machines manufactured by Grover & Baker of New York. These articles are getting to be as indispensable as the spinning wheels used to be, and it will not be long before a sitting room will be considered only half furnished with out one.

We have to acknowledge the receipt of a copy of

MICHIGAN FARMER.

ROBERT F. JOHNSTONE, EDITOR.

DETROIT, OCT., 1857.

State Fairs for 1857.

Connecticut, at Bridgport, Octaber, 13, 14, 15, 16. Indiana, at Indianapolis, October 4, 5, 6, 7, 8, 9, 10. Iowa, at Muscatine, October 6, 7, 8, 9. Kentucky, at Fenderson, October 12, 13, 14, 15, 16. Massachusetts, at Boston, October 21, 22, 23, 24. Michigan, at Detroit, September 29, 30, October 1, 2, 3. New. York, at Buffalo, October 6, 7, 8, 9. Pennsylvan'a, September 29, 30, Oct. 1, 2. Wisconsin, at Janesville, September 27, 30, & Oct. 1, 2.

County Fairs.

Allegar, Allegar, Oct., 8, 9. Clinton, St. Johns, October 8, 9, Eaton County, Charlotte September 30 and October 1. Genesee, Flint, October 7th and 8th. Hillsdale, Hillsdale, October 13, 14. Jackson, Jackson, October 7, 8, 9. Lenawee, Adrian, October 7th and 8th. Livingston, Howell, October 9, 10, 11. Macomb, Romoo, October 7. 8, 9. Oakland, Pontiac, October 14, 15, 16. Shiawassee, Corunna, October 7, and 8. St. Joseph, Centreville Oct. 14, 15. St. Clair, Port Huron Oct. 7, 8, 9. Washtenaw, Ann Arbor, October 7. 8. 9. Washt-naw and Wayne Union Society, Ypsilanti, Oct. 6, 7, 8.

The State Fair.

The executive committee of the State Agricultural Society are perfecting their arrangements rapidly for the accommodation of visitors. The docks at the landing have been enlarged so that persons going on the boats will not interfere with those going off. The fare is five cents each way, and as the boats will rnn every twenty minutes, there will be no need to suffer from the impositions of hackmen or omnibus drivers. It will be seen by our advertising pages

Our next number will contain a correct list of the premiums awarded, with notices of the stock and articles exhibited.

The Crops and their Prices.

During the month we have been as far south as Kentucky, as will be inferred from our report of a four bushels which was the ratio in 1850. visit to the Fair of the United States Agricultural buckwheat crops, and both are coming in well. vested. Many fields of buckwheat were harvested by the 20th, and much corn was ready to be cut up at the are very promising. The French journals received same date. The farming community feel relieved at this office, state that the cereals had surpassed the from much anxiety as to the crop of corn. At pres- expectations of all in abundant produce, and that ent the feeling is anything but satisfactory as to the the fine weather during harvest had permitted the value of wheat. The panic in the money market, crops to be secured in the best conditions. The ef-

abundant, has had the effect of depreciating prices, so that it is at present unadvisable for farmers to put their wheat in market. We incline to think that the decline has been too rapid, and that there will be nothing lost by farmers holding on to their stock of wheat. We are well aware that there is a large crop to go forward to the Atlantic markets, but we incline to doubt that it is as large as some of the grain buyers would have us believe.

We know that the wheat crops of 1855 and 1856 were severally estimated, in the Patent Office reports at 165 million of bushels and 180 million of bushels. yet the report of the Treasury for 1856, puts the wheat crop of 1855 at only 109 millions of bushels. and thus leaving a deficiency of 56 millions between the actual produce and the estimate for that year Taking the same ratio of estimate, and we have about 118 millions of bushels as the actual produce of last year.

It is true that the yield of wheat is better in the whole of the States than it was last year; but it is far from safe to estimate it at more than 160 millions of bushels. In the states where there has been an increased production, we think it is balanced by those which have failed to produce a full crop. For instance New York, which has not a full crop, will balance the increase in such States as Tennessee, Kentucky and Missouri, while in Missouri, Illinois, Iowa Wisconsin and other western states, the increased production is met by an increase of consumption caused by a larger population, and a greater proportion of consumers.

In 1850, the population was 23,191,876, and the production of wheat was 100,485,844. In that year there was exported about seven millions of bushels, leaving about four bushels per head for home consumption. Since then in years of scarcity our exwhat are the rates of the M. C. R. R. both for fleight ports have gone as high as 29 millions of bushels for a single year. This year we doubt if they exceed ten millions, and taking that from the whole amount estimated as the actual produce, it leaves but 150 millions of bushels. Our population at the present date, is supposed to reach close up to thirty millions. and thus it will be noted that we have five bushels of wheat per head for home consumption, instead of

With these data before us, we are not inclined to Society; and we have also paid a visit to a portion believe that wheat should be worth less than a dollar of Hillsdale and Jackson counties. The warm dry a bushel, while they incline to us to hope that it will weather of the past month has ripened the corn and be worth more before the crops of 1858 are har-

It is true that the accounts of the crops in Europe together with the reports that the crops are so fect on the prices was to lower the rates on average

over the whole of France about one franc and 60 centimes per hectoletre, or about ten cents per

Out of nearly 200 answers to letters sent to all parts of the kingdom, making inquiries about the YONUNG FOXHUNTER. - A dark chesnut sorrel crops, two thirds at least report the wheat crop over an average and the remainder call it, a full average. The Agricultural Gazette in summing up up the table of reports says, "The wheht crop may be pronounced unusually productive. The barley crop is of unusual extent, but will probably yield barely an average per acre. The oat crop is decidedly below its average productiveness. Pulse crops are for most part inferior. Potatoes have promised better but are more diseased than they have been for several years. The hay crop is good and unusually well got in. Turnips are inferior, and mangel wurzels generally good."

From this we should conclude, that the demand for wheat will be light, but for corn it will be heavy! and this crop will probably be held well at fair rates. We consider it doing well when it does not fall below 50 cents per bushel.

In our opinion farmers should hold on to their wheat for the present, as it cannot be much lower than it now is, whilst the chances are in favor of a slight advance as soon as the necessities of the home demand are properly understood.

Book Notices.

MRS. HALE'S RECEIPT BOOK FOR THE MILLION .- T. B. Peterson, of Philadelphia, has now in press the above work which will be published and ready for sale on Saturday October 2nd. From the table of contents which accompanies the circular announcing its publication, we should judge that this will be one of the most popular and useful books of its kind ever offered to the public. It is to be a volume of nearly eight hundred pages, containing over four thousand five hundred receipts, facts, directions, etc., in the useful, ornamental, and domestic arts, and in the conduct of life. The whole is arranged with an alphabetical index to every receipt in the book, whereby anything wanted can be found in a moment.

Copies of the work will be sent to any part of the United States, free of postage, on remitting the price to the publtsher in a letter. Price \$1.25 a copy.

Address T. B. Peterson, 306 Chestnut st., Philadelphia.

THE PHYSIOLOGY OF NEW YORK ROARDING HOUSES. -This is a burlesque on New York boarding houses, written by T. B. Gunn, and illustrated with numerous ludicrous caricatures represnting the peculiarities of the people and places described. It is published by Mason Brothers, New York, and for sale by Raymond and Selleck, Detroit.

LECTURES ON TEMPERANCE, by Eliphalet Nott, D. D., L. L. D., These celebrated lectures are published in a hand-some volume by Sheldon, Blakeman & Co., New York, and for sale by Raymond and Selleck, Detroit.

It will be noted that Messrs. C. M. Saxton & Co. are about to publish a new book containing full direc-tions for the culture of the Sorghum, and also for the manufacture of sugar from the same, as well as some other things, such as alcohol. This work is designed to contain all the most recent information, with some letters furnished by the American minister at Paris, which are said to ae of interest.

Michigan Stock Register.

Horses.

horse, 16 hands high, Owned by James Trudeau of Niles, Berrien Co. Mich. Foaled in 1851 in Canada. Sire, Foxhunter, a throughbred horses brought into Canada in 1846, from England, by officers belonding tosome of theregiments at that time quarted at O lebec. Foxhunter was sired by a son of Medley a horse of the best blood, and the highest reputation as a winner on the English Turf, being well known for his great endurance, and the excellence of his stock, Dam, Moscow, the celebrated trotting mare, got by Old Moscow. Grandam a mare sired by Duroc.

The following certificate accompanies the pedigree of Young Foxhunter, as showing the estimation in which he was held in the neighborhood where he was raised:

We, the undersigned, are well acquainted with Young Foxhunter, and consider him as good and well bred Foxhunter horse as now lives, and also that this stock of horses is not surpassed by any other. They are heavy boned, and of remarkable courage:

Peirie Roe, St. Marie. Jacques Ros, do F. Gravalls, Lapraire. Col. S. Ives Longeuil. Peirie Marcelle, Boucharville. Julien Varbonceau, Montreal. Col. L. Marten, Chambly. Samuel Frecht, do

YOUNG MORGAN EMPEROR .- A dark bay; 15% hands high foaled in 1854, bred by Noel Vasseau of Bourbonnois Grove, Illinois. Now owned by James Trudeau of Niles, Michigan.

Sired by Morgan Emperor 2d, grandsire Buliash Morgan. g, g. sire, Justin Morgan.

Dam was from a trotting mare named St. Lawrence, and she was sired by the celebrated trotting horse st. Lawrence.

Morgan Emperor was the sire of Chicago Jack and North Star both well known as trotting horses.

The dam of Young Morgan Emperor had a great deal of the appearance and gait of Old St. Lawrence, and Young Morgan Emperor seems to have inherited it, as his general appearance is much the the same as that St. Lawrence.

Shorthorns.

53 .- EMPIRE. -Bull, owned by James Lyon of Moscow, Hillsdale county. Calved in 1851.

Sire, Old Splendor, 767 A.

Dam, a cow sired by Echo, a bull not entered upon the Herdbooks.

When Mr, Lyon purchased the bull, he was furnished with a printed pedigree, which reads thus,

"The Bull Empire is five years old, was sired by Old Splendor, his dam was sired by Echo, his granddam was the imported cow Beauty imported by Thos. Weddle. For further information you are referred to the American and English Herdbooks."

Now such a pedigree is got up to deceive. By its reading we must suppose that the imported cow Beauty was the dam of the cow sired by Echo; this is not the case however, while it is perfectly true that Beauty is the grandam of Empire because she was the dam of Old Splendor. In fact the pedigree is defective, as it does not trace the descent on the side of the dam to any well known cow nor to an imported cow. On the side of the sire it is all right, for Old Splendor was a bull of well known reputation and estimable pedigree.

NO. 54.-LOAGN.-Bull, red and white; calved Dec. 9, 1856. Bred by G. F. Harington of Paw Paw, Van

Allegan County, Mich.

Dam, Rosette 8d, by Duke of Wellington 55 A, imp. g. d. Rosette 2d, by Prince 841 A, a bull sired by Baronet, bred and owned by Sir Charles Knightly, the celebrated breeder.

g. g. d. Prudence, by Ajax.

g. g. g. d. Selina by imported Comet.

g. g. g. d. Cypress by Nelson of the Bullock importation, noticed in our account of the Sly stock in the September number of the Farmer.

Sire, Sir William 977 A. got by Wallace 179 out of Eunice 3d by Duke of Wellington 55 A,

g. d. Euuince, by Copson imported, 3482 E, a bull of the Coxe and Bullock stock of 1828.

g. g. d. Caroline by Comet, imported.

g. g. g. d, Punch, by Nelson imported by Coxe; and out of a thorough bred cow likewise imported by Coxe of Albany, N. Y., in 1828.

Notes and Queries.

The furniture warehouse of Stevens & Zug will be well worthy of a visit by those who are in Detroit during the State Fair. Their fine furniture has frequently borne off the first premiums.

We call the attention of those setting out orchards in the southern part of the state, to the advertisement o Messrs, Ilgenfritz and Bentley, of Monroe. At the State Fair last year, this firm not only exhlbited a great variety of fruit, but were awarded the first premiums.

PROFITABLE SHEEP .- Mr. Reeves, of Milan, Monroe co. had twenty-nine head of sheep this spring, of which ten were yearlings. From them he sheared two hundred and five pounds of wool, which he sold at fifty-two cents per pound at Toledo. These sheep are a cross of French and Spanish Merinos, his buck being one purchased from Mr. John Brewer, of Superior. These sheep have run on the road since shearing time, and are now very fat. Can any of your readers beat this? A. R. B.

While at Michigan City, we visited the stables of Fisher Ames Esq., a gentleman who has a very fine and perfect Morgan horse, named Grey Morgan from his color which is a dappled grey. His pedigreeis excellent, being only one remove from Sherman Morgan, and with a grandam sired by the Burbank or Barker horse. Mr. Ames would sell this horse, and those looking for a compact, well built, serviceable stallion of clear blood and quolity, might look farther and fare worse.

J. A., of Woodland, asks which is the best work on the Kitchen Garden. We have no first rate work, but on the Kitchen Garden. We have no first rate work, but and of salt-petre, leaving out the alum. Give as above, "Buist's Family Kitchen Gardener," published by Saxton and ropeat if necessary.—Monroe Press. & Co., at 75 cents, is a pretty good book. We can send it by mail on receipt of the order and money.

J. A. also asks, " Will any of your readers give, through J. A. also asks, "Will any of your readers give, through States fair, is white, yet of all the calves raised from him the Farmer, their treatment of Poll Evil? This loathsome for three years only three have been white. He has gencountry, and no perceptible reason can be assigned for it, show that in a bull white may not be an objection. The very best of horses are attacked by it,"

of low stables. The constant friction of the head stall, Niles, in Berrien county. This is the first entry in our without the use of the brush or curry comb, and the con- register from that section of the State. Both these horsequent itching of the poll, and the efforts of the horse to ses will be shown at the State Fair. They are now in the rub it, bring on irritation, then inflamation, which is not stables of Mr. Henry Chappell at his race ground in Grosse often perceived till an abscess is formed, and the abscess Point. is termed Poll Evil. A cure for it was published in the Young Foxhunter, we consider a remarkably fine ani-Michigan Farmer for August, 1856, of the efficacy of which mal and most unquestionably a good stock horse. He

Buren Co. Mich. Owned by P. M. Munger of Cheshire, we have had one or two letters speaking very highly. The receipt is, wash the sore thoroughly clean with strong strong soap suds, and then drop eight or ten drops of muriatic acid in it twice a day, until it has the appearance of a fresh wound, after which it should be washed clean with suds made of castile soap and left to heal. The muriatic acid should be repeated until the whole of the diseased flesh is burned out. Dr. Dadd recommends poulticing with linseed until the swelling is brought to a complete suppuration, then washing out with a solution of iodine, and filling the wound with a preparation of salt and bloodroot to promote a healing inflamation. Should this not answer, he uses a dressing of spirits of turpentine, pyroligneous acid or kreosote, and linseed oil, in equal parts. Whenever the part shows a disposition to heal, dress it with a tincture of aloes and myrrh; the bowels to be kept open all the time.

> The machine for saving chopping by sawing down trees, costs about \$150, and is a circular saw operation worked by horse power. We do not recollect the names of the patentees, but can find out it necessary.

> In accordance with the request of the very able editor of the Veterinary Journal, we call attention to the Bostan Veterinary Institute, the only veterinary school in the United States. The members of the Faculty are Geo. H. Dadd, V. S., Professor of Anatomy and Physiology, C. M. Wood, V. S., Professor of Theory and Practice of Medicine and Surgery, Robert Wood, V. S., Professor of Theory and Practice of Medscine on neat stock, and Arthur S. Copeman, V. S. Professor of Chemistry and Pharmacy. Their facilities for instruction are superior, and their collections of specimens, diagrams and anatomical preparations, are large and costly, and enable them to illustrate their teaching in the most thorough manner. The fees are, for a sessional course of lectures \$100, matriculation \$5.00, graduation \$25.00.

> We acknowledge the receipt of a ticket of membership from N. S. Hammond, Secretary of the Clinton county Agricultural Society, and should be most happy to avail ourselves of its privileges were it possible to do so.

> BLOODY MURRAIN. - A. V. Cook Esq., of Erie, Monroe county, has had considerable experience and been very successful in treating that fatal disease of cattle, the bloody murrain; and he has furnished the following receipt for publication, it having been tested thoroughly, and found efficacious in numerous cases:

> Take one ann a half table spoonsful of burnt alum pul-Take one and a hair take spoons or burnt atum purverized, you them in one pint of yeast or one quart of sour buttermilk, put in a bottle, shake well, then turn it down the beast and and move them gently for fifteen or twenty minutes, and if the physic does not work in that time, repeat the dose,

> For dry murrain, double the dose of yeast or buttermilk

WHITE BULLS,-R. G. Corwin's bull' Grusader, which ranked next to Sirius, as the best bull shown at the United disease appears to be on the increase in this part of the erally given his stock a red roan color. We cite this to

More Horses.-It will be noted that in our Stock Re-Poll Evil is the effect of bad treatment, generally, and gister, there are the pedigrees of two horses owned at

shows unmistakable evidences of good breeding in nearly every point. In color he is a dark chestnut sorrel, with a remarkably fine coat, in which every vein may be traced. His carriage is of the highest style. His neck is set well 14th, 15th or 16th of October, instead of on the 7th, 8th and back on his shoulders, arched and strong rising from a 9th, as published last month. This is a correction to broad well developed chest. His back is long, straight, which our attention has been called by the Secretary. portion to his height and limbs. His legs are clean, well 8th and 9th of October. J. R. Williams, Esq., of Lansing made, joints full and muscular development very good. will deliver the address. His gait is a square, clean trot, with feet we'll gathered, under him when at speed, and working over the ground easily and naturally, without any straining efforts.

is celebrated for bottom and endurance. Medley, his great tenant of an English farm, the editor of the Agricultural stand upon. He was sired by the equally celebrated Gim- For want of them, in perfecting a 5-year's rotation, he enu. that ever ran in England."

manageable of horses, and this is a point of great impor- is considered useless. tance in a horse of general utility.

fine stock from the Western part of the State coming to the State Fair.

chased of Mr. J. R. Grosvenor of Monroe, and not of Mr. Bartlett, Lasalle, as stated. Mr. Keeney writes that potatoes showing signs of the rot during the early part of the season, have recovered, and are not now affected,

ILLUSTRATED ANNUAL REGISTER OF RURAL AFFAIRS FOR 1858.—The number just published, and which is for sale by Wm. B. Howe, of Detroit, is the fourth, and is equal to any which has preceded it. J. J. Thomas, the well known fruit culturist is the author, and the work bears evidence of his care and precision. The work is issued by Messrs, Luther Tucker & Son, of the Country Gentleman, Albany N. Y. and its executon reflects much credit upon then. The work will be found very useful, both for instraction and reference.

We have received from A. K. Waldron of Tecumseh a can containing some fine specimens of the Honest John, Sweetwater and Early Orawford peaches. They were in good order, and were good samples of the fruit in his orchard, as well as of the varietics named.

E. S. Homes, of Lockport, N. Y., has recently perby a crank, or by any convenient power. This machine heavy as the first. takes off the husks, and cuts off the ear from the stalk.

a small branch with the leaves and flowers, is the Maryland or wild Senna, and is only cultivated as a substitute for the Egyptian Senna sold by the druggists,

In reply to his inquiries about the Sugar Cane, we refer him to the May and August numbers of the Farmer, which contain the necessary information. To have the most and best saccharine juice, it should be cut just before the seed is fully ripe, or while it is in the milk. Scott and Hedges, of Cincinnati, have manufactured an excellent mill for pressing out the juice or sap, but its price is high.

County Fairs.

The Oakland County fair is to be held at Pontiac on, the with a full loin, and very round, compact body, in fine pro- The fair of Allegan county, is to be held at Allegan on the

Foreign Agricultural Notes.

ENGLISH AGRICULTURE .- we note that in reviewing the He comes of an excellent strain of blood, and one that amount of work claimed to have been done by an outgoing grandsire was celebrated for his game qualities as an un- Gazette seems to think a better knowledge of improved flinching racer, that never gave up while he had a leg to implements desirable amongst a certain class of farmers crack, who was got by Cripple, a son of the Godolphin merates twelve plowings, twenty-four harrowings, and sun. Arabian. The Turf Register states that Grimcrack" was dry cultivatings, scarifyings and horse hoeings, together one of the severest running and hardest bottomed horses with a considerable number of rollings. It is estimated that in the cultivation of a single acre, a man and a pair In temper and docility, Fox hunter is one of the most of horses have each walked from fifty to sixty miles. This

THE GLASSNEVIN MODEL FARM .- This institution lies Young Morgan Emperor is a colt, not quite four years about three and a half miles north of the city of Dublin, old. He promises well, though he is as yet untrained, he | Ireland, and is considered a most successful agricultural shows great speed. We are very much pleased to see such educational experiment. The farm is a part of the Albert National Training Institution, established to give instruc tion in the practice and science of agriculture. It is cus. Mr. KEENEY'S DEVON BULL .- In the "Jottings" of our tomary for a great many to quote as a general argument agent, reference is made to the Devon bull now owned by against attempts at agricultural education, that all schools Mr. A. J. Keeney of Erie, Monroe Co. This bull was pur- have been unsuccessful. The only reason for want of success, has been, first, that the system of training required, involves the outlay of more capital than private means can furnish; and second, it was difficult to find the proper kind of instructors, men who combined a practical knowl, edge of how to adapt scientific instruction with the work of the farm. These deficits are being remedied from time to time, and it will be found that agricultural schools will be successful.

On this Glassnevin farm, the first cutting of a crop of Italian rye grass was taken off the ground on the 4th of May, and weighed fifteen tons per acre. Twelve cows fed on this rye grass, gave 145 quarts of milk per day; and the same cows fed on rations of mangel wurzels, steamed chaff, oil cake, bean meal and bran, gave but 116 quarts per day. The butter made from their milk when fed on rye grass, was equal to 3lbs. 5oz. from ten gallons; from the same quantity of milk when the cows were fed on the rations of mixed feed, the amount of butter was 3lbs 100 z But the total milk of each day produced from the rye grass, gave 12lbs. 1oz of butter against 10lbs. 8oz. from mixed food. The second cutting of Italian rye grass was fected a machine for husking corn, which may be operated nearly ready on the 16th of June, and promised to be as

The yearly average of rain in Ireland, as measured The plant of which Mr. Rich, of Chester, sent us by Mr. Moore, Curator of the Dublin Society's Botanic Garden, is about twenty-six inches. The minimum is twenty inches, and the maximum twenty-eight inches

The finest English cider is produced in the vale of Berkley in Gloucestershire. The apples are pressed in a mill by a large circular stone revolving in a stone trough and great care is taken to crush the seeds. These seeds contain an albuminous matter, which is considered very essential to the preparation of the best cider, and small apples, containing large quantities of seeds, are chosen as the best for making cider in this district.

The St. Clair county Society holds its annual fair this Secretary. Their premium list is liberal. We hope to be able to pay a brief visit to St. Clair after the fair, our engagements preclude us from being present, this year.

The Eaton county Agricultural Society held its third annual Fair at Charlotte on the 23d and 25th of September. The address was delivered by the President, H. E. Shaw, Esq. John Morris is Secretary.

The Monroe County Fair will be held at Monroe on the 7th, 8th, and 9th of Obtober. The executive committee are notified to meet on the fair ground on the first day of the fair to complete all the arrangements. Monroe county should sustain a good Society and hold a fair that should draw out a general attendence.

The Ingham County Fair is to be held at Mason on the 15th an 16th of October. This will be the third annual fair of this society, and from the list of premiums offered we should judge it is growing in the popular favor. The President is Hiram Bristol. The Secretary is P. Lowe.

THOROUGHBREDS AT THE STATE FAIR .- At the Fair there will be shown the following thoroughbred horses. which are entered for the races to be held during the week at the course of Mr. Chappell, some two miles above the fair grounds.

Kennett, a three year old colt, out of imported Yorkshire, from a dam sired by Wagner. This colt is entered for the two mile and three mile heats, and possesses a most unflagging spirit, and great bottom.

Berry, a bay gelding, owned by J. Hendrickson, of Canada, sired by imported Sovereign out of a dam sired by Glencoe.

Kitty Hunt, a bay mare, owned by K. Allen, sired by Churchill, from a dam by Cherokee.

These three are entered for the two mile heats and also for the three mile heats, and it will be noted that they are from the best horses ever imported into the United States.

Captain Buford, a chesnut 4 years old, owned by H. R. Andrews, sired by imported Glencoe from a dam by Medoc. He is one of the fastest horses on the turf, and is entered for the two mile heats.

Kite and Mario, two colts from Grey Eagle, New Castle Maid by a dam sired by American Eclipse, an untried colt by Wayner, and a chesnut colt named Friday, by Colonel, all from Canada, are entered for the mile heats; and so are Billy Boston, and Madelaine both favorite and excellent specimens of thoroughbrsds from the celebrated Boston, the latter being from Magnolia, a daughter of Glencoe.

The list is not easily surpassed, and outside of Kentucky or Virginia, it is eeldom that so many of the Stock of celebrated and famous race horses are to be seen together at any State fair. Eclipse, Wagner, Sovereign, Boston, Glencoe, Medoc are names that will sound familiar to every one.

A Word to the Farmers.

Here in Detroit, hundreds of little children throng stores offices, and dwellings, begging for a penny to buy bread, and, too often, the charity thus bestowed goes into the rumsellers coffers. To remedy this evil, the ladies of Detroit, of all religious denominations, have united and organized an Industrial School Association, and propose to open a school on the 5th of October, 1857, at No. 26 Monroe avenue, for the outcast children of the city.

Girls under fourteen, and boys under eight years of age year at Port Huron, on the 7th, 8th, and 9th days of Octo- admitted. The morning hours will be devoted to instrucber. John E. Ketton, Esq., is President and Edgar White tion, by voluntary teachers, in the rudiments of education. a good, substantial dinner provided, and the afternoon devoted to instruction in sewing. For punctual attendance and good conduct, each child will be entitled to reward tickets redeemable in clothing.

Is not the object a good one? Will not every farmer. when he brings his produce to market, call at No. 26 Monroe avenue, [just around the corner from J. L. Wright s,] and give us something to help feed this flock of outcast little ones? The good Giver has bestowed an abundant harvest, and surely you will gladly return Him a thank offering in this way. Who will bring us some meat, or potatoes, or beans, or apples or flonr? Any kind of produce will be acceptable Who will bring us a load of wood! or what farmer's wife will send as some flannel, and what good grandmother will knit a pair of stockings for little bare feet?

Our school will always be open for the reception of visitors, and the children ready to thank you with happy looks and gladsome songs. Please remember the Industrial School, No. 26, Monroe avenue, Detroit.

E. M. SHELDON, Com.

Programme of the State Fair.

The Annual Fair for 1857 will be held on the Detroit Course, on Tuesday, Wednesday, Thursday and Friday, Sept. 29th and 30th, and Oct, 1st and 2d.

Entries can be made at the office of the Michigan FARMER, 130 Jefferson avenue, Detroit, until Monday evening, Sept. 28th. The Executive Committee will meet at the Office of the Michigan Farmer, on Monday evening, the 28th.

Tuesday, First Day-Entries will be made at the entry office, on the Fair Ground, during the day, and all animals should be entered and in readiness for exhibition by 6 p. m. of the 29th.

Wednesday, Second Day-At 9 o'clock, a. m. there will be a meeting of the Executive Committee, on the Fair Ground, for the purpose of filling vacancies that may occur in the viewing committees. At 10 o'clock a. m. grand cavalcade of all the Horses on exhibition, immediately after which, all the viewing committees, except the committees on horses and cattle, will proceed to their work.

Horses-At 11 o'clock, a, m., exhibition of horses of all ork on the track. At 1 o'clock, p. m., exhibition of blood, horses on the track. At 3 o'clock, p. m., exhibition of trotting stallions, in trial of speed, to be tested singly and in harness.

Cattle-At 11 o'clock, a. m., examination of Class 1, Shorthorn Cattle in the Cattle Ring. At 2 o'clock, p. m., examination of class 2, Devon; class 3, Herefords; and class 4, Ayrshire, in the ring.

Thursday, Third Day-Horses-At 9 o'clock a.m. grand cavalcade of all the Horses on exhibition. At half past 9 a. m., exhibition of Matched and Single Horses on the course. At 11 a. m. exhibition of Draught Horses on the At 8 o'clock p. m., exhibition of Trotting, Matched and Single horses, other than stallions. At 4 p. m. exhibition of Foreign Horses. All horses in trials of speed, except matched horses, will be exhibited singly and timed.

Annual Address-At 2 o'clock p. m. the annual address will be delivered by SANFORD HOWARD, of Boston, Mass. Cattle-At 9 o'clock a. m. exhibition of class 5, cross of blood cattle; class 6, cross of Blood and Native; class 7, Native Cattle in the cattle ring. At 11 a.m. class 8, Working Cattle; class 9, steers; class 10 and 11, Fat Cattle; and class 12, Milch Cows. At 1 o'clock p. m. exhibition of foreign cattle in the ring.

Friday, Fourth Day—At 9 o'clock a. m. the reports of the Viewing Committees will be read. At 9 a. m. grand cavalcade of all the prize horses and cattle on exhibition. Prize animals and articles will be designated as follows:

Annual Meeting—The annual meeting for the choice of officers, and for the transaction of such business as may come before the meeting, will be held immediately after the reading of the reports of the viewing committees.

The several Railroad companies have agreed to take freight and passengers on the same liberal terms as those of last year. And it has been decided that all articles for of last year. of last year. And it has been decided that all articles for entry and exhibition arriving in the city previous to noon of Tuesday, Sept. 30. shall be conveyed to the fair ground free of expense. This of course does not include live stock. Arrangements have been made with the Detroit and Windsor Ferry Company to run their boats from the Ferry Wharf, at the foot of Woodward avenue, at intervals of 20 minutes, from 8 a. m. to 6 p. m. The boats are the Windsor, Ottawa and Union Express, and are capable of conveying a very large number of passengers with comfort and dispatch. Fare five cents either way, no half price. Tickets can be obtained at the Ferry office or on the Fair Ground. To obviate delay, passengers are requested to procure tickets beforehand, and have them ready for delivery in passing on the boats.

J. C. HOLMES, Sec'v.

The Markets.

The Markets.

The prices of breadstuffs having fallen very low, we have to note an improvement in them. Flour now ranges from \$5,00 to \$5.50, and as the close of navigation approaches it may still further improve. Prime white wheat brings from \$1.00 to 1.10; Much that comes to market is of second rate quality, and it is therefore quoted at from 80 to 90 cents. Corn is declaining a little, and is now at 65 to 70 cents, Earley is steady at \$1.60 to 1.70 per 100 pounds. Oats are plenty at 33 cents. Potatoes have been below 25 cents, but a few weld directed rumors about the prevalence of the rot sent them up 10 40 or 50 cents; they now sell from 25 to 35 cents per bushel. Eggs have been very low for the season, being worth only 12 cents per dox. Fresh butter is maintained at 22 to 25 cents. Poultry plentr from 25 to 35 cents per pair.

per dox. Fresh butter is maintained at 22 to 25 cents. Poultry plenty from 25 to 35 cents per pair.

Apples of good quality bring 62% cents per bushel, but common ones sell from wagons at 35 to 50 cents. Peaches of good quality are worth from \$1.00 to 2.50 per bushel. Most of those in this market have come from Ohio' and sell some days at 1.00 per basket, on others at \$2.00 according to the supply. Flums are not plenty, but sell from \$3.00 to \$5.00 per bushel.

Beef cattle of first rate quality are not in market. Good fair animals are worth three to three and a half cents per pound alive. Sheep bring from \$1.75 to \$2.50 per head. Prime heavy mutton sheep is worth more according to weight. Hogs sell readily at 7 to 8 cents per pound.

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1,000,000 Choice Fruit and Ornamental Trees, Evergreens and Shrubbery, embracing all the choice varieties of

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Are especially invited to call upon us, and examine our large stack of Apple, upon which we wil make a liberall reduction by the thou-

sand.
Small Nursery stock, Seedlings, Table Grafts, and one year old trees, etc. constantly on hand.
Orders solicited and promptly attended to. ILGENFRITZ & BENTLEY. Monroe, Mich. 1867. oc3t

SELF ADJUSTING R. R. DOOR HANGERS. For Depots, Burns and Outbuildings,

ON receipt of \$2.00 I will send the above article, with Iron rail for an eight foot door; and \$3 for a 12 foot door. Warranted to give full satisfaction. Full directions for putting up accompany each sett. sep2t

A. W. MORSE, Eaton, Madison co., N.Y.

DEVONS FOR SALE.

A FEW thoroughbred bulls and heifers, bred from my own herd by my imported bull, Duke of Devon.

Also, Essex hogs.

Address, Address, CHAS. A. ELY, Elyria, O.

WILEY & HALSTED

351 Broadway, New-York, Have now ready

lat prize a blue card, with the words "First prize" printed upon it; 2d, a red card, with the words "Second Prize;" 2d, a with the words "Third Prize." Trees of America Trees of America.

Thoroughly revised, with very large additions, especially in Apples and Pears, with many new cuts of new Fruits.

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Hardy Ever-blooming Roses.

20.000 Evergreen Trees of hardy varieties. GREENHOUSE PLANTS.

Roses for winter blooming in pots. Asparagus Roots. Pie Plant. Dielytra Spectabllis, a new hardy flowering herbaceous plant. A great variety of other plants for sale at wholesale and retail, very ow, by Detroit, Sept. 22, 1857. HUBBARD & DAVIS

oc2t

DETROIT RACE COURSE.

The First Meeting over the above Course will take place this Fall, commencing Tuesday, September 29th, 1857, and continuing Four Days.

First Day-Tuesday, Sept. 29th.

Purse \$100, with an inside stake of \$50—half forfeit—2 mile heats—to name and close 15th September.

—to name and close 15th September.

Same Day—Second Racc—Trotting.

Purse \$50, \$10 entrance—half added for Horses that never trotted better than 2.55 in a race—mile hearts—best 3 in 5, to go as they please,

Second Day—Wednesday, Sept. 30th.

Pu-e \$100—Open to all carrying one hundred pounds—mile heats Same Day—Second Racc—Pacing.

Purse \$50, \$10 entrance, half sidded—mile heats—best three in five to go as they please.

Purse \$50, \$10 entrance, half sdded—mile heats—best three in five to go as they please.

Third Day—Thursday, Oct. 1st.

Purse \$200, with an inside stake of \$100, half forfelt, open to all—3 mile heats—to name and close September 15th.

Fourth Day—Friday, Oct. 2d.—Hurdle Racc.

Purse \$100, with an inside stake of \$50—half forfeit—a drsh of 2 miles over eight hurdles, 3 tect and 6 inches high, of stiff timber, carrying 145 pounds each, to name and close Sept. 15th.

Same Day-Second Race-Trotting. A CHANCE FOR STALLIONS.

A CHANCE FOR STALLIONS.

Purse \$50, with an incide stake of \$20—play or pay—open to all Stalions that have served Mares this season in the Stalions that hove served Mares this season in the Stalion of Michigan—mile heats—best 3 in 5—to go as they please, name and close Sept. 29.

Ten por cent entrance to all purses. Any person entering a Horse to any of the above Races or Trots must be a subscriber of \$10 to the Racing Fund. All Purses and Stake oney will be hung up at the stand and delivered to the winning jeck-y by the Judge. The above Races to be governed by the New Rules of the Fashion Course, New York.

HENRY CHAPPUL Description

HENRY CHAPPELL, Proprietor, Detroit P. O., Box 1108,

MICHIGAN CENTRAL RAILROAD.

ARRANGEMENT OF TRAINS FOR THE

STATE FAIR

To be held at Detroit on Sep, 29, 30, & Oct 1st. 2d-

PASSENGERS COMING TO THE FAIR

TROM points west of Kalamazoo, can take any of the Regutar I Trains of the 28th, 29th and 39th inst., and the 1st of October, and those from Kalamazoo and places east can take any of the Regular Trains excepting Lightning Express of the 29th and 30th inst., and the 1st and 2d of October, or Special Trains leaving Kalamazoo at 6 15 A. M., and Jackson at 5.45 A. M., on Fair days. Special Trains will stop in both directions at regulrr and signal

RETURNING SPECIAL TRAINS will leave Detroit for Kalamuzoo at 3 P M., and for Jackson at 4 45 P. M.

Special Trains going East will	leave signal stations as follows:
Kalamazoo 6 15 A.M.	Chelsea 7 10 & 10 10
Galesburgh6 36	Dexter 7 35 & 10 30
	A. Arbor8 05 & 10 55
	Ypsilanti
Albion	Wayne 9 00 & 11 45
	Dearborn 9 20 & 12 05
Jackson 6 00 & 9 10	Detroit, arrive9 50 & 12 30

For the time and places at which the Regular Trains stop, reference must be had to the rsgular advertisement of Trains.

State Fair Tickets not used within the time will be no value

on other trains.

PRICES OF STATE FAIR TICKETS.

Entitling the purchaser	t	0 &	passage to Detroit and return	1:	
Dearborn	80	30	Galesburgh	34	00
Wayne	0	60	Comstock	4	25
Denton's	0	90	Kalamazoo	4	45
Ypsilanti	1	09	Ostemo	4	50
			Mattawan		
Ann Arbor			Paw raw		
Delhi			Decatur		
Scio		40	Dowagiac	4	75
Dexter		60	Pokagon	4	75
Chelsea		80	Niles	4	75
Fancisco			Buchanan		
Grass Lake			Terre Coupee		
Leoni	2	30	Chamberlain's	5	30
			Avery's		
Jackson		50	New Buffalo	6	00
Sandstone	2	50	Michigan City	6	
Parma	2	75	Porter	6	25
Concord		85	Lake	6	25
Albion			Matteson		
Marengo			Joliet		00
Marshall	3	50	Gibson's	7	00
Ceresco		75	Calumet	7	00
Battle Creek		75	Chicago	7	00
Augueta	4	00	8	•	-0

From the Regular Stations, which are printed in Roman, the Tickets will be sold by the Agents at Each Station, and from Signall Stations they will be supplied by Conductors on the Trains.

From the fare from Regular Stations, when paid in the ears, will be 10 cents higher than the price of Tickets sold by the Station Agent.

Live Stock and Agricultural Implements.

Live stock, agricultural implements, and other articles for Exhibition at the Fair, will be transported to Detroit and back, free of charge, at the owner's risk, as follows:—The regular rates of transportation must be rate-Paid at the point of shipment, which must be at a regular station where the Company have an Agent. Upon the return of such live stock or other property, seaf for exhibition, it will be delivered free of charge for transportion from Detroit, and the amount paid for freight to Detreit, refunded.

Horses and carriages taken to the Fair for covenience of persons in attendance, and not for exhibition, will be charged at regular rates both ways.

One person only to a full car load of annima's, will be brought

One person only to a full car load of annima's, will be brought FREE, and that person for the purpose of taking care of the stock. Therefore, should two or more persons ship in the same car, and choose to go with their stock, all but one will be charged fare.

Froperty can be sent as above on the Regular stock and Freight Trains from the 23d of September until the lat of October; and to ensure the proper accommodation, notice of all Live Stock to be sent, should be given to Station Agents at least three days in advance of its shipment. All property to be returned under above arrangement, must be offered before the 10th of October.

M. C. R. R. Office, Detroit, Sept. 19, 1857.

NEWMAN'S THORNLESS BLACKBERRY. STRONG and finely rooted plants of this valuable new variety will sent out this season at \$4 per doz. \$10 per fifty, \$18 per hun-

Sent out this soason at \$4 per doz. \$10 per fifty, \$18 per h dred, and \$130 per thousand,
Address, A. A. BENNSEL, Milton, Ulster Co. N. Y.,
Sole Agent for the sale of plants.

THE GREAT ENGLISH REMEDY.

SIR JAMES CLARKE'S

Prepared from a Prescription of Sir John Clarke, M. D. Physician Extraordinary to the Queen.

This invaluable medicine is unfailing in the cure of all those painful and dangerous disorders incident to the female constitution. It moderates all excess, and removes all obstructions, and a speedy cure may be relied on.

TO MARRIED LADIES

It is peculiarly suited. It will in a short time bring on the month-ly period with regularity. Each bottle, price One Dol'ar, bears the Government Stamp of Great Britain, to prevent counterfeits.

CAUTION.

These Pills should not be taken by females that are pregnant, during the first three months, as they are sure to bring on miscarriage; but as every oth r time and in every other case, they are perfectly safe.

In all cases of Newsons and Spinel Affections Pains in the back

In all cases of Nervous and Spinal Affections, Pains in the back and limbs, Heaviness, Fatigue on Slight Exerton, Palpitation of the Heart, Lowness of Spirits, Hysterics, Sick Headsche, Whites, and all the painful disorders occasioned by a disordered system, these Pills will effect a cure when all other means have failed, and although a powerful remedy, do not contain iron, calomel, antimony, or any thing hurtful to the constitution.

Yall directions accumpant asch neckage. though a powerful remeuy,
y, or any thing hurtful to the constitution.
Yull directions accompany each package.
Sole Agents for the United States and Canada,
JOB MOSES,
(Late I. C. Baldwin & Co.)
Rochester, N. Y.

N. R.—\$1.00 and 6 postage stamps enclosed to and any authorized Agent, will ensure a bottle of the Fills by return mail.

For sale in Detroit by J. S. CUTHBERT & CO., FARRAND & WHEA! ON, T. & J. HINCHMAN, GEORGE B. DICKENSON & CO., E. C. TERRY, and in one Druggist Store in every town in the United States.

April 1st, 1857. 6m

DOCTOR HOOFLAND'S

GERMAN BITTERS, Dr. C. M. JACKSON, Philad'a, Pa.

LIVER COMPLAINT, DYSPEPSIA, JAUNDICE,

Chronic or Nervous Debility, Diseases of the Kidneys, and all diseases arising from a disordered Liver or Stomach!

Such Such
as Constipate
as Constipate
tilness or Blood to the
Head, Acidity of the Stomach,
Nausea, Heartburn, Disgust for Food,
Fullness or regist in the stomach, Sour
Eructations, Sinking or Fluttering at the pit of
the Stomach, Swimming of the Head, Hurried and difficult Breathing, Fluttering at the Heart, Choaking or sulfocating sensations when in a lying posture, Dimness of Vision, Dots
of webs before the Sight, Fever and Dull Pain in the Head,
Deficiency of Perspiration, Yellowness of the Skin, and
Eyes, Pain in the Side, Back, Chest, Limbs, &c.
Sudden Flushes of Heat, Burning in the
Flesh, Constant Imaginings of
Ev.l and great Depression of
S, irits.
The proprietor is calling the attention of the public to this preas Constipa

The proprietor is calling S, irits.

The proprietor is calling the attention of the public to this preparation, does so with a feeling of the utmost confidence in its virtues and adaptation to the disease for which it is recommended. It is no new and untried article but one that has stood the test for ten years' trial before the American people, and its reputation and sale is unrivalled by any similar preparations extant. The testimony in its favor given by the most prominent and well known Physicians and individuals in all parts of the country is immense and a careful perusal of the Almanac, published annually by the proprietor, and to be had gratis of any of his Agents, cannot but satisfy the most skeptical that this remedy is readily deserving the great celebrity it has obtained. Principal Office and Manufactory. No. 96 Arch St., Philadelphia, Pa.

tory. No. 96 Arch St., Philadelphia, Pa.

GREAT CURE OF PILES.

CAMDEN, N. J., March 12, 1858.

DEAR SIR—It is with much pleasure I take this opportunity of informing you of the great benefit I have derived from the use of a few bottles of "Hogland's German Bitters." For a number of years I have been sorely and severely afflicted with pain in the stomach, attended by attacks of the Piles, for which I tried a great many remedies, but without affording me any relief. Being advised to use the German Bitters, I did so, using in connection for the Piles, your Spikenard Ointment, and I now inform you that they have entirely cured me and resorted me to health, and I would advise all the afflicted to use your valuable medicines, &c.

Respectfully yours, MARGARET REPSHER.
No. 45 Plum Street, Camden, N. J.

Dr. C. M. Jackson, Philadelphia.

Dr. C. M. Jackson, Philadelphia.

For sale by druggists and storekeepers in every town and village in the U. S. and Canadas.

Dec. 1856,—1 year.

SYRACUSE' NURSERIES.

OUR STOCK for the Fall Trade of 1857 will consist of

All the Larger and Minor Fruits, in unprecedented

numbers.

Ornamental Trees, in great variety, including many of the finest native Forest Trees.

The Hardy Evergreens, Norway and American Sprace, Scotch Fine, Hemlock, Balsam Fir, and Arbor Vite, ranging

from 3 to 6 feet high.

Roses, Shrubs, Dahlias, Pæonies, Phloxes, of rare beauty, and in great abundance-Hedge Plants, of Buckthorn, Privet, Osage Orange, and Ho-

Asparagus and Rhubarb, best kinds and strong rocts; and of

and of Bulbous Roots, the usual annual importation.

Raspberries and Currants, our assortment is especially large and attractive, and embraces all the old and new sorts of worth and repute. So also

worth and repute. So also
GOOSEBERRIES, GRAPES, & STRAWBERRIES, may be found with us in great variety and numbers.

The cultivation of the smaller fruits has always been a specialty with us. For descriptions and prices of our articles, we beg to refer to the new editions of our catalogues, now in the hands of the

printer, and soon to appear, viz:

No. 2, A descriptive Catalogue of Fruits:

No. 3, A descriptive Catalogue of Ornamental Trees, Shrubs,

No. 3. A descriptive Catalogue of Dahlias, Greenhouse and Bedding Plants, &c.;
No. 4. A descriptive Catalogue of Dahlias, Greenhouse and Bedding Plants, &c.;
No. 5. A wholesale Catalogue for Nurserymen and Dealers.
Forwarded on receipt of a one cent stamp for each.

Forwarded on receipt of a one cent stamp for each.

The urgency of the season's demand upon us for Fruit Trees, &c., having compelled us to add largely to the means of supply afforded by our own nurseries, we have recently nurchased of Mr. Thos. Wright the entire property known as the Newark Nursery, and have associated with us in its ownership and management Mr. Richard White, one of its former proprietors, as resident partner, by whom the business will be continued as usual in the name of R. White & Co. By this arrangement our facilities for answering demands upon us are rendered a bundant and complete; enabling us to sell as largely, at prices as low, on terms as inviting, and of productions as varied and excellent, as can be afforded by any other nursery establishment.

any other nursery establishment.

THORP, SMITH & HANCHETT,

Syracuse, N. Y., August 10, 1857.

Sep. 2t

ATTENTION FARMERS!!

A LL those who want a good article of Cloth or Flannel manufactured for their own use, will do well to take their

- TO -

CORNWELL'S FACTORY. Ann Arbor, Mich.

We have been adding New Machinery to our establishment, and with our long experience in the business, we feel confident that we can give entire satisfaction.

OUR PRICES ARE:

One half of the cloth we can make from the wool; or We manufacture wool as follows:

| Ss. per yard, | Ss. per yard, | White Flannel, 2 yards wide, | Ss. per yard, | Do- do, 1 yard wide, | 1s. bd. " | Madder red Flannel, | Ast colors, | 30d. " | Wine and Pressed Flannel, | 2s. "

Wool sent by railroad will be promptly attended to. A work warrant d well done, and ready when promised, or all dam work warrant d ges paid prompt.

A large Stock of Cloths and Flannels on hand, To exchange for Wool on reasonable terms.

COBNWELL & BROTHER.
Ann Arbor, May, 1857.

1857. FARMER'S WAREHOUSE. 1857 BURNHAMS & BURRALL,

Dealers in all kinds of Agricultural Implements, Garden and Field Seeds, Salt, Plaster and Water Lime. Warehouse wear Railroad Depot, BATTLE CREEK, MICH. [oct-tf.

BROOM CORN SEED. King Phillip, Flower, Early Dutton and other varieties of SEED CORN, at feb 6m PENFIELDS', 103 Woodward avenue.

800 PLOWS of all makes. Starbuck, Eagle, Steel and sub soil, Cultivators and Seed Drills. D. O. & W. S. PENFIELD, Agricultural Warehouse, Detroit.

TOLEDO NURSERY ASSOCIATION.

THIS establishment so advantageously located for Western Nurserymen, amateurs and purchasers generally, where they can get their trees fresh from the ground, and save besides a heavy cost for transportation, is now prepared to supply a general assortment of their products, as follows:

Standard and Dwarf Apples, Standard and Dwarf Pears, Standard and Dwarf Cherries, Peaches, Apricots, Nectarines, Plums, Grapevines, Currants, Raspberries,

Strawberries, Lawton Blackberries, EVERGREENS, ORNAMENTAL TREES, SHRUBBERY, &c.

All the above have been grown under the immediate care and su-pervision of A. Fahnestock, late of the Syracuse Nurseries, with every care and attention, and will compare favorably with any stock in the United States, and are now offered on the most advantageous terms, and at the very lowest rates.

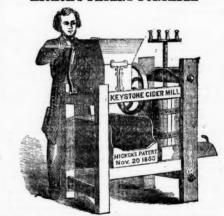
Our New Wholesale Catalogue For the fall of 1657 and spring of 1858, is now ready for distribu-tion, and will be forwarded to all appliesants, who encloses one cent stamp to prepay the postage thereon.

For the Association,

Sep2t

A. FAHNESTOCK.

HICKOK'S PATENT PORTABLE



KEYSTONE CIDER MILL.

IMPROVEMENTS FOR 1857.—The following are some of the improvements added this year: The frames are put together with joint bolts. A liy-wheel 22 inches in diameter instead of 16 inches nas been added. The form of the teeth has been changed so as to make them grind easier and freer. Entirely new gearing has been constructed, and the upper cylinder/has been geared down, so that in connection with the teeth or cylinder, it shall grind much easier. With all these improvements, it is believed that there is no Mill in the market that will grind as fast or with so little power, nor is there any one that is made in a better or more perfect manner. there any one that is made in a better or more perfect manner. Price \$45. Sep 4t D. O. & W. S. PENFIELD.

A New Work for sale !

SORGHO & IMPHEE. THE CHINESE & AFRICAN SUGARCANE

A COMPLETE TREATISE UPON

THEIK Origin, Varieties, Culture and Uses; their value as a Forage Crop, and directions for making Sugar, Molasses, Alcohol, Sparkling and Still Wines, Beer, Cider, Vinegar, Paper, Starch and Dyestuffs.

Fully illustrated with Drawings of approved Machinery. With an appendix by Leonard Wray of Caffraria, and a description of his patented process for crystallizing the juice of the Imphe, with the latest American experiments, including those of 1857 in the South.

BY HENRY S. OLCOTT.

To which are added translations of valuable French Pamphlets received from the Hon. John Y. Mason, American Minister at Paris, Price ONE DOLLAR, Sent by mait postpaid. Orders taken immediately. Those first received will be first filled.

C. M. SAXTON & CO.

Agricultural Book-Publishers, 140 Fulton-street, N. Y.